

IONOSPHERIC DATA

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IONOSPHERIC DATA

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TERMINOLOGY AND SCALING PRACTICES

The symbols and terminology used in this report are those adopted by the International Radio Propagation Conference, and given in detail on pages 24 to 26 of the report IRPL-C61, "Report of International Radio Propagation Conference", and in the Section on "Terminology", in reports IRPL-F1, 2, 3, 4, 5.

In the past, ionospheric conditions were summarized on a monthly basis by using average or mean values, for each hour of the day, for each month. However, following the recommendations of the International Radio Propagation Conference, held in Washington 17 April to 5 May 1944, beginning with data for 1 Jan. 1945, median values were used by IRPL wherever possible. Thus, median values are given for Washington, for all stations reporting directly to the IRPL, for the Canadian stations, and for all others sending in detailed tabulations to the IRPL, from which medians can be computed.

Where averages are reported, they are, at any hour, the average for all the days during the month for which numerical data existed.

The monthly median values used here are the values equalled or exceeded on half the days of the month at the given hour. The following conventions are used in determining the medians for hours when no measured values are given, because of equipment limitations and ionospheric irregularities. Symbols used are those given in the report referred to above, IRPL-C61.

a. For all ionospheric characteristics;

Values missing because of A, B, C or F (see terminology referred to above) are omitted from the median count.

b. For critical frequencies and virtual heights;

Values missing because of E are counted as equal to or less than the lower limit of the recorder.

Values missing because of D are counted as equal to or greater than the upper limit of the recorder.

Values missing because of G are counted;

1. For f^oF_2 , as equal to or less than f^oF_1 .

2. For $h'F_2$, as equal to or greater than the median.

Values missing for any other reason are omitted from the median count.

c. For muf factors (M-factors);

Values missing for any reason are omitted from the median count.

d. For sporadic E (Es):

Values of fEs missing because no Es reflections appeared, the equipment functioning normally otherwise, are counted as equal to or less than the lower limit of the recorder.

Values of fEs missing for any other reason, and values of hEs missing for any reason at all, are omitted from the median count.

MONTHLY AVERAGE AND MEDIAN VALUES OF IONOSPHERIC DATA

The ionospheric data given here in graphical and tabular form were assembled by the Interservice Radio Propagation Laboratory for analysis and correlation, incidental to IRPL predictions of radio propagation conditions. The following are the sources of the data:

Australian Council for Scientific and Industrial Research
Radio Research Board, Australia
Brisbane, Q., Australia
Mt. Stromlo, Canberra, NSW, Australia
Cape York, Q., Australia.

British National Physical Laboratory, and Inter-Services Ionosphere Bureau
Radio Research Station, Slough, England
Great Baddow, England
Burghead, Scotland
Delhi, India
Madras, India
Simonstown, Union of S. Africa
Colombo, Ceylon.

Canadian Radio Wave Propagation Committee
Churchill, Canada
Ottawa, Canada
St. John's, Newfoundland
Prince Rupert, Canada
Victoria Beach, Canada

New Zealand Radio Research Committee
Kermadec Is.
Christchurch (Canterbury University College Observatory)
Campbell I.
Pitcairn I.
Rarotonga I.

Interdepartment Ionosphere Bureau, U.S.S.R. Scientific Experimental
Institute of Terrestrial Magnetism, Moscow, U.S.S.R.

Tykhi Bay, U.S.S.R.

Tomsk, U.S.S.R.

Sverdlovsk, U.S.S.R.

Moscow, U.S.S.R.

Leningrad, U.S.S.R.

Alma Ata, U.S.S.R.

Carnegie Institution of Washington (Department of Terrestrial Magnetism)

Baffin I., Canada

Christmas I.

Fairbanks, Alaska (University of Alaska, College, Alaska)

Reykjavik, Iceland

Maui, Hawaii

Trinidad, Brit. West Indies

Huancayo, Peru

Watheroo, W. Australia

United States Army Signal Corps

Leyte

National Bureau of Standards

Washington, D.C.

Stanford University,

San Francisco, California

Louisiana State University,

Baton Rouge, Louisiana

University of Puerto Rico,

San Juan, P.R.

Harvard University,

Boston, Mass.

The tables of "provisional data" give values as reported to the IRPL by telephone or telegraph. Any errors in these values will be corrected in later issues of the F-series reports. In final data tabulations, any omission of values previously given in provisional tabulations is indicated by a dash.

The tables and graphs of "final data" are correct for the values reported to the IRPL, but, because of variations in practice in the interpretation of records and scaling and manner of reporting of values, may at times give an erroneous conception of typical ionospheric characteristics at the station. Some of these errors are due to;

a. Differences in scaling records where spread echoes are present.

- b. Omission of values where f^oF2 is less than or equal to f^oF1 , leading to erroneously high values of monthly average or median values.
- c. Omission of values where critical frequencies are less than the lower frequency limit of the recorder, also leading to erroneously high values of monthly average or median values.

These effects were discussed on pages 6 and 7 of the previous F-series reports, IRPL-F1, 2, 3, 4, and 5. Discrepancies between predicted and observed values are often ascribable to these effects.

IONOSPHERIC DATA FOR EVERY DAY AND HOUR

These data, observed at Washington, D.C., follow the scaling practices given in the report IRPL-C61, "Report of International Radio Propagation Conference," pages 36 to 39, and the median values are determined by the conventions given under "Terminology and Scaling Practices" above. Beginning this month the table of values of F2-M3500 is omitted, since these values can be readily derived from the values of F2-M3000.

IONOSPHERE DISTURBANCES

Table 63 presents ionosphere character figures for Washington, D.C., during August 1945, as determined by the criteria presented in the report IRPL-R5, "Criteria for Ionospheric Storminess", together with American magnetic K-figures which are usually covariant with them.

Table 64 presents sudden ionosphere disturbances as observed at Washington, D.C., during August 1945.

Table 65 gives provisional radio propagation quality figures for North Atlantic and North Pacific areas, for 01 to 12 and 13 to 24 GCT, July 1945, compared with the IRPL daily radio disturbance warnings, and ISIB daily warnings, the IRPL semiweekly radio propagation forecasts for the A-zone, and the half-day American geomagnetic K-figures.

The radio propagation quality figures were prepared from radio traffic data, reported to IRPL, in the manner described in detail in report IRPL-R13, "Ionospheric and Radio Propagation Disturbances, October 1943 through February 1945," issued 24 May 1945.

PRELIMINARY REPORT ON IONOSPHERIC DATA FOR SOLAR ECLIPSE 9 JULY, 1945

The solar eclipse of 9 July 1945 was notable in that, although it was of shorter duration and somewhat narrower path than the average, its coverage by ionospheric measurements was undoubtedly more complete than that for any other. This was not only because of the recent establishment of additional ionosphere stations, but principally because the path of the eclipse lay in the geographical regions where regular observing stations, many of long standing, were located in greatest proximity.

The duration of the eclipse was between about 1200 to 1500 GMT, the path of totality beginning near Boise, Idaho, and ending near Tashkent, U.S.S.R. The partial phase was visible over practically all of the North American continent, all of Europe, and the northwest and northern part of Asia.

Maps showing the path of the eclipse, as well as tables giving the elements, local circumstances, and other pertinent data, are given in "The American Ephemeris and Nautical Almanac", 1945, p.325, 329-333, and, more completely, in the supplement to this, "Total Eclipse of the Sun, July 9, 1945," both issued by the U.S. Naval Observatory, Washington, D.C.

Solar activity during the eclipse period was rather low, thus insuring data for the eclipse day, as well as control data for a period before and after the eclipse day, reasonably free from effects other than those due to solar obscuration. Three spot groups of low activity were reported by Mt. Wilson Observatory, their heliographic latitudes and longitudes being, respectively, N17° W71°, N18° E61°, S20° E75°, all being too far from meridian passage for the disturbance of ionospheric conditions. Fairly large calcium flocculi in the neighborhood of these spot groups, as well as small flocculi at S28° W22°, N27° E13°, S01° E33°, N23° W18°, having areas respectively of 8300, 700, 2000, and 600 millionths of the solar disc, were reported by McMath-Hulbert Observatory.

Geomagnetic character figures covering the eclipse day and control periods preceding and following it are given in Table 69 of the preceding issue of this report, IRPL-F12. A short period of moderate disturbance on 6 July was associated with above-average green coronal intensity appearing at the east limb as late as 2 July, apparently indicating the active area in the neighborhood of the first of the small flocculi mentioned above. West limb green coronal intensity, associated with the same active area, was above average from 11 July to 16 July.

Ionospheric measurements were made at intervals of fifteen minutes or less during the eclipse day, and a control period of several days before and after 9 July, at a number of stations in Canada and the United States. Most of these data are not yet available at IRPL, since considerable time is needed for scaling of the records. Figs. 52 through 55 are plots of the regular-layer characteristics for the eclipse day (heavy line) with the control days all superimposed (light lines), for Boston, Mass., San Francisco, Calif., Baton Rouge, La. and San Juan, P.R. They were plotted in this manner to illustrate the variability of the data, even on normal days and to show the relationship of the values during the eclipse to the normal scatter. As may be seen, the normal variability of the ionosphere was great enough to obscure any significant eclipse effect.

San Juan, Puerto Rico, lay just outside the eclipse region. No anomalies inconsistent with the usual day-to-day variations were noted. The eclipse ended at about sunrise at San Francisco, Calif. Similarly, no variations in ionospheric behavior in excess of day-to-day variability were observed in this case. At Baton Rouge, Louisiana, there were likewise no anomalies ascribable to the eclipse, although this station lay in the region of partial eclipse, where the magnitude of eclipse was 0.52 at 1148 GCT (0548, 90°W), beginning at about sunrise and ending at 1239 GCT (0639, 90°W). Absence of any notable eclipse effect here is not surprising since the lower ionospheric layers, in which it would be most apparent, were barely forming at the time of eclipse. At Boston, Massachusetts, the magnitude of the eclipse was 0.58 at 1206 GCT (0706, 75°W), beginning at 1109 GCT (0609, 75°W) and ending at 1309 (0809, 75°W). Some indication is given of lowered frequencies in all three ionospheric layers during the latter part of the eclipse period, but the fragmentary nature of the data does not admit of significant exact analysis when used alone.

Intercomparison of data from all observing stations is necessary in the determination of eclipse effects. The data presented here, while in themselves showing no striking anomalies in behavior, are necessary in delineating the marginal effects of the eclipse, and, together with data from other places, in obtaining the quantitative time and geographical gradients in ionization resulting from solar observation.

Although final data are not yet available from other stations, preliminary analysis has shown that at Washington, D.C., E-layer critical frequencies rose more slowly than usual during the morning of the eclipse; F2-layer reflections were blanketed by Es.

Preliminary reports from the five Canadian stations making observations show marked eclipse effects. Estimates of the extent of ionization density decrease are;

	E %	F1 %	F2 %	F %
Victoria Beach, Man.	40	55	32	-
Churchill, Man.	-	37	34	-
Prince Rupert, B.C.	-	-	-	>34
Ottawa, Ont.	30	28	27	-
St. Johns, Newfoundland	-	25	27	-

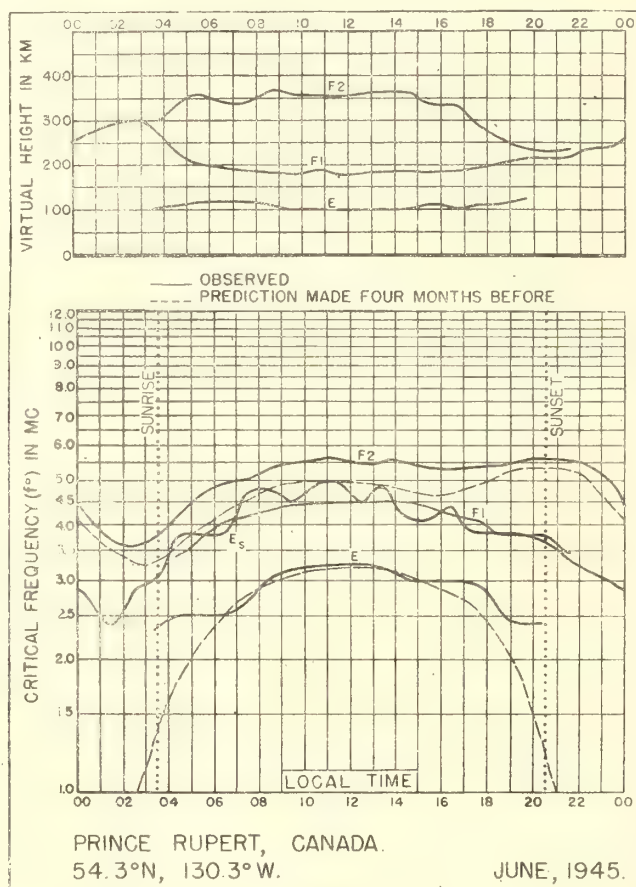
At Prince Rupert, B.C., the E layer was blanketed by Es, and the eclipse occurred before the separation of the F1 and F2 layers. Maximum eclipse effects were obtained at Victoria Beach, Man. No lag in E- or F1-layer density change was observed with respect to the maximum phase of the eclipse at any station, but a lag of 20 minutes was observed for the F2 layer at Victoria Beach.

Comparatively little radio field-intensity data are yet available for this period. Preliminary reports indicate, for the time of eclipse, unusually good reception on transmission paths between Washington, D.C. and most North

Atlantic stations, and between San Francisco and London, poor reception between Washington, D.C. and Stockholm, Sweden, and normal reception between New York City and Fairbanks, Alaska, and between Boston, Massachusetts, and Mexico City, Mexico, Washington, D.C., and Chicago, Illinois.

ERRATA

1. The graphical presentation of data from Prince Rupert, Canada, for June 1945, Figs. 7 and 8, in the August issue of this report, was incomplete. Table 32 in the same issue presented complete data. The Figure below will complete the graphs.



2. Information was received that Simonstown data up to 1 August 1945 were received on 30°E meridian time. Beginning 1 August, all data from Simonstown will be reported on 15°E.

Table 1 (Provisional data)

Baffin Island, Canada (70.5°N, 68.6°W)

August 1945

Time	h'F2	f'F2	h'F1	f'F1	h'F	f'F	fEs	fE-M3000
00	250	4.4						3.1
01	250	4.2						3.2
02	260	3.9						3.1
03	260	3.7						3.2
04	260	3.9						3.1
05	250	4.2	240	3.4	160	2.3		3.2
06	240	4.5	250	3.5	150	2.4		3.1
07	400	4.4	240	3.7	140	2.5		2.9
08	400	4.7	240	3.8	130	2.6		3.0
09	390	4.8	240	3.8	120	2.7		3.0
10	360	5.1	240	3.9	120	2.8		2.9
11	370	5.0	240	4.0	120	2.8		2.9
12	340	4.9	230	4.0	120	2.8		2.9
13	360	4.9	230	3.9	130	2.7		2.8
14	390	4.8	230	3.9	130	2.7		2.9
15	350	5.0	240	3.8	140	2.6		2.9
16	350	4.8	250	3.8	140	2.5		2.9
17	340	4.9	240	3.6	150	2.4		2.9
18	290	4.8	250	3.4	160	2.3		3.0
19	260	4.7						3.1
20	260	4.6						3.1
21	260	4.7						3.1
22	250	4.5						3.2
23	250	4.4						3.2

Time: 75°W.

Length of time sweep: 2 Mc to 16 Mc in one minute.

Median values.

Table 3 (Provisional data)

Prince Rupert, Canada (54.3°N, 130.3°W)

August 1945

Time	h'F2	f'F2	h'F1	f'F1	h'F	f'F	fEs	fE-M3000
00		3.6						3.1
01		3.1						3.1
02		2.8						3.1
03		2.9						3.0
04		2.8						3.0
05		2.9						3.2
06		3.8						3.3
07		4.3						3.2
08		4.7						3.1
09		4.9						3.1
10		5.1						3.2
11		5.2						3.1
12		5.4						3.0
13		5.3						3.1
14		5.2						3.1
15		5.1						3.2
16		5.0						3.1
17		5.0						3.3
18		5.0						3.3
19		4.9						3.4
20		4.7						3.4
21		4.7						3.3
22		4.7						3.2
23		4.2						3.2

Time: 120°W.

Length of time sweep: Manual operation.

Median values.

Table 2 (Provisional data)

Churchill, Canada (58.8°N, 94.2°W)

August 1945

Time	h'F2	f'F2	h'F1	f'F1	h'F	f'F	fEs	fE-M3000
00		4.1						3.0
01		4.0						3.0
02		3.9						3.0
03		3.8						2.9
04		3.6						2.9
05		4.1						3.0
06		4.4						3.0
07		4.7						3.0
08		4.8						3.0
09		5.0						2.9
10		5.2						2.9
11		5.3						2.9
12		5.5						2.9
13		5.4						2.9
14		5.4						2.9
15		5.6						2.9
16		5.8						2.9
17		5.7						3.0
18		5.6						2.9
19		5.4						2.9
20		4.9						3.0
21		4.8						2.9
22		4.6						3.0
23		4.3						3.0

Time: 90°W.

Length of time sweep: 2 Mc to 16 Mc in one minute.

Median values.

Table 4 (Provisional data)

St. John's, Newfoundland (47.7°N, 52.7°W)

August 1945

Time	h'F2	f'F2	h'F1	f'F1	h'F	f'F	fEs	fE-M3000
00		3.7						3.2
01		3.3						3.2
02		3.3						3.5
03		2.9						3.2
04		2.6						3.1
05		3.2						3.4
06		4.3						3.6
07		4.7						3.6
08		5.2						3.6
09		5.3						3.5
10		5.5						3.5
11		5.5						3.4
12		5.6						3.4
13		5.5						3.4
14		5.5						3.2
15		5.7						3.3
16		5.7						3.4
17		6.0						3.5
18		6.2						3.3
19		6.6						3.3
20		6.4						3.3
21		5.9						3.3
22		4.9						3.3
23		4.5						3.2

Time: 52.5°W.

Length of time sweep: Manual operation.

Median values.

Table 5 (Provisional data)

Ottawa, Canada (45.50N, 75.80W) August 1945

Time	h'P2	f'P2	h'P1	f'P1	h'E	f'E	P2-M3000
00		3.3					2.9
01		2.9					2.9
02		2.7					2.8
03		2.6					2.9
04		2.6					2.8
05		3.2					3.0
06		4.2					3.0
07		4.9					3.1
08		5.3					3.0
09		5.4					3.0
10		5.6					3.0
11		5.5					3.0
12		5.6					2.9
13		5.6					2.9
14		5.6					2.9
15		5.6					2.9
16		5.7					3.0
17		6.0					3.0
18		6.0					2.9
19		6.3					3.0
20		6.0					3.0
21		5.6					3.0
22		4.6					2.9
23		3.9					2.9

Time: 75⁰⁰.

Length of time sweep: 1.93 Ms to 13.5 Ms. Manual operation.

Median values.

Table 7 (Provisional data)

San Francisco, Calif. (37.40N, 122.20W) August 1945

Time	h'P2	f'P2	h'P1	f'P1	h'E	f'E	P2-M3000
00		3.6					2.9
01		3.7					2.9
02		3.7					2.9
03		3.5					2.9
04		3.5					2.9
05		3.4					3.2
06		4.3					3.1
07		5.2					3.0
08		5.5					3.0
09		5.9					2.9
10		6.1					2.9
11		6.2					2.9
12		6.3					2.9
13		6.4					2.9
14		6.3					3.0
15		6.3					3.0
16		6.1					3.0
17		6.1					3.1
18		5.9					3.2
19		5.9					3.2
20		5.8					3.1
21		5.1					3.1
22		4.5					3.0
23		4.0					2.8

Time: 120⁰⁰.

Length of time sweep: 0.8 Ms to 12 Ms in six minutes. Record centered on the hour.

Median values.

Table 6 (Provisional data)

Boston, Massachusetts (42.40N, 71.20W) August 1945

Time	h'P2	f'P2	h'P1	f'P1	h'E	f'E	P2-M3000
00		3.5					2.9
01		3.1					3.0
02		2.8					2.9
03		2.3					3.0
04		2.0					3.0
05		2.5					3.1
06		4.3					3.2
07		4.6					3.0
08		5.2					3.1
09		5.6					3.1
10		5.7					3.1
11		5.7					3.0
12		5.6					3.0
13		5.8					3.0
14		5.9					3.0
15		5.7					3.0
16		5.9					3.0
17		5.9					3.1
18		6.0					3.0
19		6.6					3.0
20		5.9					3.0
21		5.3					2.9
22		4.5					2.9
23		4.0					2.9

Time: 75⁰⁰.

Median values.

Table 8 (Provisional data)

Baton Rouge, Louisiana (30.50N, 91.20W) August 1945

Time	h'P2	f'P2	h'P1	f'P1	h'E	f'E	P2-M3000
00		3.8					2.9
01		3.7					2.9
02		3.6					3.0
03		3.5					3.0
04		3.3					3.0
05		3.2					3.1
06		4.3					3.1
07		5.5					3.2
08		6.0					3.1
09		6.0					3.1
10		6.2					3.1
11		6.3					2.9
12		6.6					2.9
13		7.1					2.9
14		7.4					3.0
15		7.3					3.0
16		7.2					3.0
17		7.0					3.1
18		6.8					3.2
19		6.4					3.2
20		5.8					3.1
21		4.9					3.1
22		4.3					3.0
23		4.0					3.0

Time: 90⁰⁰.

Length of time sweep: 1.9 Ms to 9.8 Ms in three minutes, thirty seconds. Median values.

Table 10 (Provisional data)

Great Baddow, England (51.7°N, 0.5°E) July 1945

Time	h'F2	f°F2	h'F1	f°F1	h'F0	f°F0
00	4.8					2.9
01	4.5					2.9
02	4.2					2.9
03	3.9					3.0
04	3.9					3.1
05	4.4					3.1
06	4.8					3.0
07	5.2					3.0
08	5.3					3.0
09	5.7					3.0
10	5.7					3.0
11	5.8					2.9
12	5.6					2.9
13	5.6					3.0
14	5.4					2.9
15	5.5					3.0
16	5.5					3.0
17	5.5					3.2
18	5.7					3.1
19	6.3					3.0
20	6.6					3.2
21	6.2					3.1
22	5.7					3.0
23	3.3					2.9

Time: 00

Length of time sweep: Manual operation.

Average values.

Table 12 (Provisional data)

Cape York, Q. Australia (11.0°S, 142.4°E) July 1945

Time	h'F2	f°F2	h'F1	f°F1	h'F0	f°F0
00	3.5					3.3
01	3.3					3.3
02	2.6					3.5
03	2.0					3.0
04	2.0					3.0
05	2.3					3.2
06	3.1					3.4
07	6.0					3.4
08	7.2					3.5
09	7.5					3.3
10	7.7					3.3
11	7.2					3.3
12	7.5					3.3
13						3.3
14						3.2
15						3.2
16	7.1					3.4
17	6.9					3.2
18	6.3					3.1
19	5.3					3.2
20	4.5					3.1
21	3.3					3.0
22	3.2					3.0
23	3.5					3.2

Time: Local

Average values.

Table 9 (Provisional data)

Huarayo, Peru (12.0°S, 75.3°W) August 1945

Time	h'F2	f°F2	h'F1	f°F1	h'F0	f°F0
00	6.1					3.2
01	5.6					3.2
02	5.4					3.3
03	4.1					3.3
04	3.2					3.2
05	2.6					3.2
06	3.3					3.1
07	6.1					3.2
08	7.3					2.9
09	7.6					2.7
10	7.1					2.6
11	7.0					2.5
12	6.9					2.5
13	6.9					2.5
14	7.1					2.5
15	7.2					2.5
16	7.2					2.5
17	7.5					2.6
18	7.5					2.7
19	6.8					2.6
20	6.4					2.7
21	6.6					2.9
22	7.0					3.1
23	6.6					3.2

Time: 75°W.

Length of time sweep: 16 Mc to 0.5 Mc in fifteen minutes.

Median values.

Table 11 (Provisional data)

Hani, Hawaii (20.8°N, 156.5°W) July 1945

Time	h'F2	f°F2	h'F1	f°F1	h'F0	f°F0
00	290	6.2				2.9
01	260	6.1				3.0
02	250	5.8				3.1
03	250	5.1				3.0
04	270	4.8				3.0
05	270	4.3				3.0
06	290	4.6				3.1
07	250	5.9	230	3.8	120	2.4
08	260	6.2	200	4.5	110	2.8
09	320	6.2	200	4.6	110	3.1
10	420	6.2	200	4.7	110	3.3
11	430	7.0	210	4.7	110	2.7
12	440	7.9	210	4.6	110	2.5
13	405	8.5	200	4.6	110	2.5
14	390	9.1	200	4.6	110	2.8
15	370	9.6	225	4.6	110	2.8
16	335	10.1	220	4.4	110	3.0
17	300	10.6	220	4.2	110	3.2
18	260	10.5	220	3.7	110	3.2
19	240	9.7				3.1
20	240	8.5				3.0
21	250	7.1				2.9
22	260	6.7				3.0
23	275	6.6				3.0

Time: 150°W

Length of time sweep: 2 Mc to 16 Mc in one minute.

Median values.

Table 13 (Provisional data)

Rarotonga I. (21.4°S, 159.6°W)

July 1945

Time	h'P2	f'P2	h'P1	f'P1	h'M	f'M	fEs	F2-M3000
00								
01		3.3						3.0
02								
03		3.3						3.3
04								
05								3.1
06				2.7				
07	230	4.6						3.4
08								
09	260	6.4	205	4.2		2.8		3.4
10								
11	260	6.7	210	3.5		3.2		3.5
12	275	6.5	205	4.6		3.2		3.4
13	265	6.2	205	4.6		3.2		3.3
14								
15	280	6.8	205	4.3		3.0		3.2
16								
17	240	7.1						3.3
18								
19	215	5.1						3.2
20								
21		3.9						3.1
22								
23		3.5						3.0

Time: 157.5°W.

Length of time sweep: 2.0 Mc to 16.0 Mc. Manual operation.

Median values.

Table 14 (Provisional data)

Pitcairn I. (25.0°S, 130.0°W)

July 1945

Time	h'P2	f'P2	h'P1	f'P1	h'M	f'M	fEs	F2-M3000
0000								
0100								
0230	270	3.3						
0300								
0400								
0530	290	2.6						
0600								
0730	230	5.7	210	2.3				
0800								
0930	250	7.8	210	4.2				
1000								
1130	250	6.4	200	4.4				
1200								
1330	250	6.6	200	4.4				
1400								
1530	250	6.6	210	4.0				
1600								
1700								
1800								
1930	250	4.3						
2000								
2100								
2230	270	3.2						
2300								

Time: 127.5°W.

Length of time sweep: 1.0 Mc. to 13 Mc. Manual operation.

Median values.

Table 15 (Provisional data)

Brisbane, Q., Australia (27.5°S, 153.0°E)

July 1945

Time	h'P2	f'P2	h'P1	f'P1	h'M	f'M	fEs	F2-M3000
00		3.5						3.1
01		3.7						3.1
02		4.0						3.2
03		4.0						3.2
04		4.0						3.4
05		3.5						3.2
06		3.0						3.2
07		4.6						3.5
08		5.9						3.5
09		6.4						3.5
10		6.8						3.5
11		6.7						3.5
12		6.4						3.5
13		6.3						3.4
14		6.6						3.4
15		6.8						3.4
16		6.4						3.4
17		5.8						3.5
18		4.8						3.4
19		3.8						3.2
20		3.5						3.1
21		3.7						3.0
22		3.6						3.1
23		3.6						3.2

Time: Local.

Length of time sweep: 2.2 Mc to 12.5 Mc in two minutes, thirty seconds.

Average values.

Table 16 (Provisional data)

Kermadec Is. (29.2°S, 177.9°W)

July 1945

Time	h'P2	f'P2	h'P1	f'P1	h'M	f'M	fEs	F2-M3000
00	280	3.8						2.9
01	290	3.7						2.9
02	275	3.7						2.9
03	275	3.9						3.0
04	290	3.9						3.1
05	260	3.7						3.0
06	250	3.4						3.1
07	235	4.8						3.4
08	290	5.6			125		2.2	3.4
09	265	5.8			120		2.7	3.4
10	270	6.6			120		2.9	3.4
11	270	6.3			115		3.0	3.5
12	270	6.2			115		3.1	3.4
13	285	6.4			115		3.0	3.3
14	270	6.2			115		3.0	3.4
15	265	6.2			115		2.8	3.4
16	290	5.6			115		2.4	3.4
17	240	5.6					2.0	3.4
18	225	4.4						3.4
19	235	3.6						3.0
20	265	3.6						2.9
21	280	3.6						2.9
22	280	3.6						2.9
23	275	3.5						2.9

Time: 180°E.

Length of time sweep: 1.8 Mc to 12.0 Mc. Manual operation.

Median values.

Table 17 (Provisional data)

Matheroo, W. Australia (30.5°S, 115.9°E)

July 1945

Time	h'F2	f'F2	h'F1	f'F1	h'F	f'F	F2-M3000
00	3.5						3.0
01	3.6						3.0
02	3.7						3.1
03	3.8						3.1
04	3.6						3.2
05	3.1						3.3
06	2.9						3.2
07	4.4						3.5
08	5.7						3.4
09	6.2						3.4
10	6.5						3.4
11	6.6						3.3
12	6.5						3.3
13	6.6						3.3
14	6.8						3.3
15	6.9						3.4
16	6.2						3.4
17	5.7						3.4
18	4.3						3.4
19	3.2						3.3
20	3.0						3.1
21	3.2						3.1
22	3.4						3.1
23	3.4						3.0

Time: Local.

Length of time sweep: 16 Mc to 0.5 Mc in fifteen minutes.

Average values.

Table 19 (Provisional data)

Mt. Stromlo, N.S.W., Australia (35.3°S, 149.0°E)

July 1945

Time	h'F2	f'F2	h'F1	f'F1	h'F	f'F	F2-M3000
00	3.5						2.8
01	3.6						2.8
02	3.6						2.9
03	3.7						2.9
04	3.9						3.0
05	3.6						3.2
06	3.0						3.0
07	3.7						3.1
08	5.2						3.4
09	5.7						3.2
10	6.3						3.3
11	6.7						3.3
12	6.7						3.3
13	6.6						3.2
14	6.8						3.2
15	6.5						3.2
16	5.4						3.3
17	4.4						3.2
18	3.7						3.1
19	3.4						3.0
20	3.4						3.0
21	3.5						2.8
22	3.5						2.9
23	3.4						2.9

Time: Local.

Length of time sweep: 1.6 Mc to 12.5 Mc in two minutes.

Median values.

Table 18 (Provisional data)

Simonstown, Union of S. Africa (33.9°S, 18.7°E)

July 1945

Time	h'F2	f'F2	h'F1	f'F1	h'F	f'F	F2-M3000
00		2.4					3.0
01		2.7					2.9
02		2.8					2.9
03		2.9					2.9
04		2.9					3.0
05		2.8					3.1
06		2.6					3.1
07		2.5					3.0
08		4.3					3.2
09		5.5					3.2
10		5.9					3.2
11		6.2					3.1
12		6.5					3.1
13		6.6					3.1
14		6.9					3.1
15		6.7					3.1
16		6.7					3.1
17		6.3					3.2
18		5.0					3.2
19		3.2					3.1
20		2.7					3.0
21		2.7					3.0
22		2.7					3.1
23		2.5					3.1

Time: 15⁰⁰.

Length of time sweep: 2 Mc to 16 Mc in one minute.

Average values.

Table 20 (Provisional data)

Christchurch, N.Z. (43.5°S, 172.6°E)

July 1945

Time	h'F2	f'F2	h'F1	f'F1	h'F	f'F	F2-M3000
00	280	2.3					
01		2.4					
02	280	2.4					
03	265	2.3					
04	260	2.2					
05	250	2.1					
06	265	2.0					
07	245	2.4					
08	240	4.2					
09	240	4.9					
10	255	5.2					
11	250	5.9					
12	265	6.2					
13	280	6.1					
14	275	6.2					
15	260	5.6					
16	240	5.6					
17	240	4.3					
18	250	3.6					
19	250	3.3					
20	250	2.6					
21	285	2.7					
22		2.4					
23	260	2.3					

Time: 172.5⁰⁰.

Length of time sweep: 1.0 Mc to 13 Mc. Automatic.

Median values.

Table 21 (Provisional data)

Campbell I. (52.5°S, 169.0°W)

July 1945

Time	h'P2	f'P2	h'P1	f'P1	h'P	f'P	P2-M3000
00							
01							
02							
03							
04							
05	340	2.4					2.5
06							
07	330	2.8					2.7
08	240	3.9					3.2
09	230	4.8	175		140	2.6	3.2
10	240	5.3	210		135	2.4	3.2
11	250	5.9	215		130	2.5	3.2
12	245	6.1	225		125	2.5	3.2
13	240	5.9	220		125	2.4	3.2
14	233	6.0	220		130	2.3	3.2
15	235	5.7	180	2.2			3.2
16	230	5.0					3.1
17	245	4.3					3.0
18	260	3.9					2.8
19	270	3.5					2.7
20							
21	315	3.0					2.6
22							
23	370	2.5					2.5

Time: 165°W.

Length of time sweep: 1.0 Mc to 15 Mc. Manual operation.

Median values.

Table 23

Washington, D.C. (39.0°N, 77.6°W)

August 1945

Time	h'P2	f'P2	h'P1	f'P1	h'P	f'P	P2-M3000
00	260	3.7					3.0
01	260	3.5					3.1
02	260	3.4					3.0
03	260	3.3					3.0
04	270	2.7					3.0
05	260	2.9					3.2
06	240	4.0					3.4
07	300	4.7	230		110	2.2	3.1
08	300	5.2	220		110	2.8	3.1
09	320	5.6	210		110	3.2	3.1
10	320	5.6	200		110	3.4	3.1
11	360	5.7	200		110	3.5	3.1
12	360	5.8	200		110	3.5	3.0
13	360	5.6	200		110	3.5	2.9
14	340	5.8	210		110	3.5	3.0
15	340	5.7	210		110	3.4	3.0
16	320	5.8	220		110	3.4	3.0
17	300	5.8	220		110	3.3	3.0
18	280	5.7	220		110	3.0	3.1
19	240	6.0	220		120	2.5	3.1
20	240	5.9					3.2
21	240	5.3					3.1
22	240	4.6					3.0
23	260	4.0					2.7

Time: 76°W.

Length of time sweep: 0.6 Mc to 14 Mc in two minutes.

Median values.

Table 22 (Provisional data)

Delhi, India (28.6°N, 77.2°E)

June 1945

Time	h'P2	f'P2	h'P1	f'P1	h'P	f'P	P2-M3000
00		6.0					
01		5.7					
02		5.6					
03		5.4					
04		5.0					
05		5.3					
06		5.5					
07		6.5					
08		6.9					
09		7.3					
10		8.0					
11		8.7					
12		9.1					
13		9.8					
14		10.0					
15		10.1					
16		10.1					
17		9.8					
18		9.3					
19		8.6					
20		7.6					
21		6.6					
22		6.2					
23		6.0					

Time: 75°E.

Length of time sweep: Manual operation.

Average values.

Table 24

(Corrections and additions to previously published provisional data)

Fairbanks, Alaska (64.9°N, 147.6°W)

July 1945

Time	h'P2	f'P2	h'P1	f'P1	h'P	f'P	P2-M3000
00							3.8
01							6.1
02							3.3
03							3.9
04							4.5
05							4.9
06		4.6					3.4
07							3.5
08							3.3
09							3.5
10							3.4
11							3.6
12							3.4
13							3.6
14							3.4
15							3.2
16							3.2
17							3.2
18							3.8
19							3.5
20							3.2
21							4.0
22							3.6
23							3.9

Time: 150°W.

Length of time sweep: 16 Mb to 0.5 Mb in fifteen minutes.

Median values.

Table 25

(Corrections and additions to previously published provisional data)

Churohill, Canada (58.8°N, 94.2°W)										July 1945	
Time	h ₁ F ₂	h ₂ F ₂	h ₃ F ₂	h ₄ F ₂	h ₅ F ₂	h ₆ F ₂	h ₇ F ₂	h ₈ F ₂	h ₉ F ₂	P2-M3000	
00	290									8.8	
01	280	4.8								5.1	3.0
02	280									5.3	
03	270									3.9	
04	290		250	3.0						3.8	
05	320		260	3.5						3.8	
06	385		280	3.9	120					4.2	
07	400	4.8	280	4.1	120	3.2				4.0	
08	420		240	4.2	115	3.4				4.7	
09	420		220	4.4	110	3.3				3.5	
10	400		210	4.3	110	3.3					
11	420	5.2	220	4.4	110	3.4					
12	390	5.3	210	4.4	110	3.4					
13	410		220	4.4	110	3.4					
14	400		220	4.4	110	3.2					
15	395		220	4.4	110	3.1					
16	370		220	4.2	120	3.2					
17	350		235	4.0	120	2.9					
18	320		240	3.9	130	3.1					3.0
19	320		250	3.5	120	2.8				3.2	
20	300		280	3.4	130	3.0				4.2	
21	300									4.0	
22	290	4.4								5.3	
23	285									9.6	

Time: 90°W.

Length of time sweep: 2 Mc to 16 Mc in one minute.

Median values.

Table 27

(Corrections of previously published provisional data)

Victoria Beach, Canada (50.8°N, 96.5°W)										July 1945	
Time	h ₁ F ₂	h ₂ F ₂	h ₃ F ₂	h ₄ F ₂	h ₅ F ₂	h ₆ F ₂	h ₇ F ₂	h ₈ F ₂	h ₉ F ₂	P2-M3000	
00		3.5									
01											
02											
03											
04		2.4									
05		2.45									
06											
07											
08											
09		4.3									
10											
11											
12											
13											
14											
15		5.5									
16		5.4									
17											
18											
19											
20											
21											
22											
23		4.3									

Time: 90°W.

Median values.

Data from 5 July to 1 Aug. 1945.

Table 26

(Corrections and additions to previously published provisional data)

Prinse Rupert (54.3°N, 130.5°W)										July 1945	
Time	h ₁ F ₂	h ₂ F ₂	h ₃ F ₂	h ₄ F ₂	h ₅ F ₂	h ₆ F ₂	h ₇ F ₂	h ₈ F ₂	h ₉ F ₂	P2-M3000	
00	250									3.4	
01	280									3.2	
02	280									3.2	
03	300									3.0	
04	290									3.0	
05	280		220	3.1						3.0	
06	370		200	3.4	115					3.1	
07	370		190	3.7	110	2.6				3.2	
08	370		180	4.0	105	2.6				4.0	
09	370		180	4.1	100	2.8				4.0	
10	365		180	4.2	100	2.9				4.1	
11	345		170	4.3	100	3.2				3.8	
12	345		180	4.4	100	3.0				4.7	
13	350		180	4.4	100	3.1				3.8	
14	340		185	4.4	100	3.1				3.9	
15	360		185	4.4	100	3.0				3.8	
16	340	5.2	190	4.5	100	2.8				4.0	
17	320	5.0	190	4.2	100	2.9				3.2	
18	305		195	4.0	105	2.7				3.1	
19	280		205	3.6	110	2.6				3.7	
20	250		210	3.5	110	2.4				3.8	
21	230		220	3.2						3.2	
22	240			3.4						4.0	
23	245		220							3.5	

Time: 120°W.

Length of time sweep: Manual operation.

Median values.

Table 28

(Corrections and additions to previously published provisional data)

St. John's, Newfoundland (47.7°N, 52.7°W)										July 1945	
Time	h ₁ F ₂	h ₂ F ₂	h ₃ F ₂	h ₄ F ₂	h ₅ F ₂	h ₆ F ₂	h ₇ F ₂	h ₈ F ₂	h ₉ F ₂	P2-M3000	
00	240	4.5									
01	240										
02	250	3.3								2.8	
03	250	3.3									
04	280	3.4	230	2.5	110	1.8				2.6	
05	230		200	3.2	110	1.8				2.7	
06	240	4.5	190	3.45	100	2.2				3.4	
07	270	4.8	190	3.8	100	2.5				3.8	
08	280		190	4.2	100	2.8				4.0	
09	325		190	4.4	100	3.0				4.3	
10	300	5.4	185	4.5	100	3.2				3.7	
11	330	5.4	190	4.6	100	3.3				4.4	
12	330		185	4.6	100	3.3					3.1
13	350		190	4.3	100	3.3					
14	330		180	4.6	100	3.2					
15	320		195	4.4	100	3.2					
16	310		190	4.2	100	3.1					
17	290		190	4.0	110	2.8					
18	270		200	3.6	100	2.5				3.8	
19	240	6.2	210	3.1	100	2.1				3.7	
20	230		220	2.6	115	1.6				3.0	
21	220									3.0	
22	220										
23	240										

Time: 52.5°W.

Length of time sweep: Manual operation.

Median values.

Table 30

(Corrections and additions to previously published provisional data.)

Boston, Massachusetts (42.4°N, 71.2°W)

[illegible]

Time: 750W.
Length of time sweep: 1.93 Mc to 13.5 Mc. Manual operation.
Median values.

Table 32

(Corrections and additions to previously published provisional data)

Baton Rouge, Louisiana (30.5°N, 91.2°W)

Time	h:P2	γOF2	h:P1	γOF1	h:P3	γOF3	γ2-W3000
00	250						3.5
01	270						3.4
02	270						3.7
03	250						3.5
04	260						3.4
05	260						3.7
06	245						3.9
07	350		230	3.3	110	2.1	4.2
08	370		220	3.8	110	2.6	4.3
09	350		206	4.2	110	3.0	4.3
10	355		200	4.3	110	3.2	4.4
11	360		200	4.5	110	3.3	4.4
12	350		200	4.4	110	3.4	4.3
13	390		190	4.6	110	3.4	4.4
14	370		200	4.5	110	3.4	4.3
15	360		200	4.5	110	3.4	4.4
16	345		210	4.4	110	3.3	4.2
17	340		220	4.2	110	3.1	4.0
18	300		220	4.1	110	2.8	4.2
19	250		230	3.7	110	2.4	3.9
20	230		235	2.8	110		3.7
21	230						3.3
22	250						3.8
23	260						3.9

Time: 1200W.
Length of time sweep: 0.8 Mc to 12 Mc in six minutes. Record centered on the hour.
Median values.

Time	H/F2	rof2	H/F1	rof1	H'F	rof	FS	F2-M000
00	265						2.0	
01	278						3.0	
02	275						2.7	
03	270	2.7					2.7	
04	250		252	2.7	118		1.6	
05	290	3.7	250	3.4	125	1.8	1.9	
06	340		230	3.6	120	2.2	2.6	
07	350		230	4.0	120	2.7	3.0	
08	350		238	4.3	120	2.8	3.9	
09	370		230	4.5	120	2.9	4.7	
10	375		220	4.5	115		4.7	
11	380		220	4.6	115		4.2	
12	408		215	4.6	115			
13	380	5.6	215	4.5	120		3.1	
14	330		230	4.5	120			
15	360	5.8	225	4.4	120	2.9		
16	350		238	4.2	120	2.8		
17	320		230	3.9	120	2.6		
18	290		240	3.4	125	2.1		
19	250				140	1.3	3.0	
20	250						3.2	
21	250						2.6	
22	252						2.6	
23	265						2.2	

Time: 75^{OW}.
Median values.

Table 32

(Corrections and additions to previously published provisional data)

Baton Rouge, Louisiana (30.5°N, 91.2°W)

Time	H _{F2}	F _{OF2}	H _{F1}	F _{OF1}	H ₁	F ₀₁	F ₀₂
00	300	4.4					3.0
01	300						3.0
02	290						2.5
03	290						
04	300						
05	290	3.4					
06	290	4.5	250	3.3	130	2.1	
07	350	5.1	240	3.8	130	2.5	3.3
08	380	5.5	240	4.2	120	2.9	4.0
09	400	5.7	240	4.4	120	3.1	
10	395		225	4.5	120	3.2	
11	390	6.1	220	4.6	120	3.3	
12	400	6.2	230	4.6	120	3.3	
13	400	6.5	240	4.6	120	3.3	
14	380		240	4.6	120	3.3	
15	365		240	4.5	120	3.3	
16	350		240	4.3	120	3.0	
17	340		250	4.4	130	2.7	
18	300		250	3.4	130	2.1	
19	270						3.1
20	250						2.4
21	260						3.2
22	280						3.6
23	290						3.0

Time: 900w.
Length of time sweep: 1.9 Mc to 9.8 Mc in three minutes, thirty seconds.
Median values.

Table 34

(Corrections and additions to previously published provisional data)

Christmas I. (1.9°N, 157.5°W)										July 1945	
Time	h ¹ F2	f ^o F2	h ¹ F1	f ^o F1	h ¹ F3	f ^o F3	f ^o F3	f ^o F3	f ^o F3	P2-M3000	P2-M3000
00										2.8	2.8
01										2.2	2.2
02										3.1	3.1
03										2.1	2.1
04										2.1	2.1
05										3.3	3.3
06										2.1	2.1
07										3.4	3.4
08										2.1	2.1
09										3.1	3.1
10										3.1	3.1
11										6.4	6.4
12										6.7	6.7
13										7.4	7.4
14										7.5	7.5
15										7.6	7.6
16										7.5	7.5
17										7.5	7.5
18										6.0	6.0
19										8.6	8.6
20										3.4	3.4
21										3.2	3.2
22										3.2	3.2
23										2.7	2.7

Time: 150°W.
Length of time sweep: 1.6 Mc to 12.5 Mc in two minutes.
Median values.

Table 36

(Corrections and additions to previously published provisional data)

Baffin Island, Canada (70.5°N, 68.6°W) June 1945

Time	h ¹ F2	f ^o F2	h ¹ F1	f ^o F1	h ¹ F3	f ^o F3	f ^o F3	f ^o F3	P2-M3000
00									
01									
02		4.6							
03									
04			235						
05		4.4							
06									3.0
07									
08									
09									
10		4.15							
11									
12									
13									
14									
15		5.0	225						2.8
16		4.8							
17									
18									
19									
20									
21									
22									
23									

Time: 75°W.
Length of time sweep: 2 Mc to 16 Mc in one minute.
Median values.

Table 33

San Juan, Puerto Rico (18.4°N, 66.1°W) July 1945

Time	h ¹ F2	f ^o F2	h ¹ F1	f ^o F1	h ¹ F3	f ^o F3	f ^o F3	f ^o F3	P2-M3000
00		5.4							2.9
01		5.8							2.9
02		5.6							3.1
03		4.7							3.0
04		4.4							3.0
05		4.4							3.0
06		4.6							3.1
07	260	5.4	220	3.4					3.2
08	320	5.8	200	4.0					3.0
09	340	6.1	200	4.3					2.9
10	390	6.5	200	4.5					3.1
11	400	6.8	206	4.7					4.0
12	375	8.0	200	4.7					3.4
13	350	9.2	200	4.6					4.7
14	345	9.4	210	4.5					3.5
15	330	9.4	210	4.4					3.5
16	320	9.2	210	4.2					4.1
17	300	9.0	210	4.0					4.0
18	280	8.8	220	3.2					3.1
19	240	7.6							2.8
20		6.6							2.8
21		6.1							2.8
22		5.5							2.9
23		5.4							2.9

Time: 60°W.
Length of time sweep: 2.7 Mc to 14 Mc in six minutes. Record centered on the hour.
Median values.

Table 35

Huancayo, Peru (12.0°S, 75.3°W) July 1945

Time	h ¹ F2	f ^o F2	h ¹ F1	f ^o F1	h ¹ F3	f ^o F3	f ^o F3	f ^o F3	P2-M3000
00	230	5.6							3.2
01	240	5.0							3.2
02	240	4.6							3.2
03	250	3.8							3.2
04	260	3.2							3.1
05	270	2.8							3.0
06	280	3.1							3.1
07	240	5.6							5.5
08	300	6.8							2.2
09	340	7.3							2.7
10	360	6.9							8.2
11	395	6.9							3.0
12	400	6.7							8.4
13	400	6.8							9.7
14	370	6.9							2.6
15	365	7.1							2.5
16	220	7.1							10.3
17	250	7.0							10.3
18	270	7.1							10.3
19	290	6.6							2.5
20	280	6.4							2.5
21	260	6.6							2.5
22	230	6.0							2.5
23	230	5.6							2.5

Time: 75°W.
Length of time sweep: 16 Mc to 0.5 Mc in fifteen minutes.
Median values.

Table 38

(Corrections of previously published provisional data).

Burghed, Scotland (57.7°N, 3.5°W)

June 1945

[illegible]Time: 00
Median values:

См. также: [Медиа-визуализация](#)

Table 40

(Corrections and additions to previously published provisional data.)

Table 40

June 1945

Time	h ¹ F2	oF2	h ¹ F1	oF1	h ¹ F	oF	h ² F5000
00	230	4.9					
01	240		220	2.5	100	2.0	2.3
02	240		215	3.2	100	2.3	2.2
03	240	3.7	220	3.7	100	2.3	2.5
04	260		200	4.1	100	2.7	2.2
05	270	4.8	200	4.3	100	3.1	
06	280		200	4.5	100	3.1	3.4
07	280		185	4.6	100	3.2	3.5
08	300		190	4.6	100	3.2	
09	335		190	4.6	100	3.2	
10	305		190	4.6	100	3.2	
11	330		190	4.7	100	3.3	
12	330		190	4.7	100	3.2	
13	320		180	4.7	100	3.2	
14	320		185	4.6	100	3.3	
15	310		190	4.5	100	3.2	
16	300		190	4.4	100	3.0	
17	280		195	4.1	100	2.9	
18	260		200	3.8	100	2.5	
19	225		210	3.0	100	2.0	
20	220				100		3.6
21	220						2.6
22	220						2.5
23	230						

Time: 52.5 min.

Length of time sweep: Manual operation.

Median values.

Table 41

(Corrections and additions to previously published provisional data.)
Colombo, Ceylon (6.6°N, 80°E) June 1945

Time	h'P2	f'P2	h'P1	f'P1	h'P	f'P	P2-M3000
00	5.6						
01	4.7						3.0
02	3.8						
03	3.2						
04	2.7						3.4
05	2.4						3.7
06							3.4
07	6.8					2.5	3.3
08	8.2		4.3		3.0		
09	8.6		4.6		3.4	4.9	2.8
10	8.4		4.8		3.6	6.3	2.7
11			4.8		3.7	6.4	
12	8.0		4.8		3.6	6.4	
13	8.1		4.8		3.7	5.0	2.8
14	8.4		4.6		3.6	5.0	
15			4.6		3.4	4.0	
16	9.1		4.4		3.0		3.0
17	9.3		3.3		2.8		3.0
18							
19	9.5						3.2
20	8.8						3.6
21	7.6						
22	6.5						
23	6.0						

Time: Local
Length of time sweep: 2 Mc to 16 Mc in one minute.
Median values.

Table 43

(Corrections and additions to previously published provisional data.)
Baffin I., Canada (70.6°N, 68.6°W) May 1945

Time	h'P2	f'P2	h'P1	f'P1	h'P	f'P	P2-M3000
00							
01							
02							
03							
04	290						3.0
05					150		
06	450				130		2.7
07	455				120		2.7
08	460						
09							2.7
10	460						
11							
12	435				100		
13	450				100		2.7
14	420				100		2.8
15					120		
16					100		
17					125		
18					140		
19							
20							
21							
22	280						
23							

Time: 76°W.
Length of time sweep: 2 Mc to 16 Mc in one minute.
Median values.

Table 42

(Corrections and additions to previously published provisional data.)
Christchurch, N.Z. (43.5°S, 172.6°E) June 1945

Time	h'P2	f'P2	h'P1	f'P1	h'P	f'P	P2-M3000
00	275						2.8
01	275	3.4					2.8
02							2.6
03							2.1
04		3.2					2.8
05							3.0
06	235						2.9
07							2.3
08	225						2.1
09		5.0					2.7
10	245			3.6			2.6
11				3.9			3.5
12							3.3
13				255			3.5
14							3.6
15		6.2					3.0
16							3.0
17	215						2.7
18							2.8
19							2.1
20		3.2					2.4
21							2.0
22							2.8
23							2.8

Time: 172.6°E.
Length of time sweep: 1.0 Mc to 13 Mc. Automatic.
Median values.

Table 44

(Corrections and additions to previously published provisional data.)
Reykjavik, Iceland (64.1°N, 21.7°W) May 1945

Time	h'P2	f'P2	h'P1	f'P1	h'P	f'P	P2-M3000
00	275	3.0					3.8
01	225						3.6
02							4.0
03							3.6
04	235	3.6					3.4
05							3.2
06					95		
07					90		
08	345		195		90		3.0
09	340				80		
10					75		
11					80		3.0
12		5.2			80		
13					90		
14					80		
15					80	3.0	
16					90		
17					90		2.9
18	260				90		3.1
19							
20	225	4.6					3.5
21							3.4
22		3.2					3.4
23							3.6

Time: 16°W.
Length of time sweep: 2 Mc to 16 Mc in one minute.
Median values.

Time	h ¹ 2	f ¹ 2	h ¹ 1	f ¹ 1	h ¹ 2	f ¹ 2	h ¹ 2	f ¹ 2	h ¹ 2	f ¹ 2
00	4.4									
01	4.1									
02	3.8									
03	3.7									
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Time: 00

Length of time sweep: Manual operation.
Median values.

(Corrections and additions to previously published provisional data)

Simonstown, Union of S. Africa (33.9°S, 18.7°E)

May 1945

Time	h ¹ 2	f ¹ 2	h ¹ 1	f ¹ 1	h ¹ 2	f ¹ 2	h ¹ 2	f ¹ 2	h ¹ 2	f ¹ 2
00	2.7									
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Length of time sweep: 2 Mc to 16 Mc in one minute.
Median values.

Colombo, Ceylon (6.6°N, 80°E)

May 1945

Time	h ¹ 2	f ¹ 2	h ¹ 1	f ¹ 1	h ¹ 2	f ¹ 2	h ¹ 2	f ¹ 2	h ¹ 2	f ¹ 2
00	5.1									
01	4.2									
02	3.7									
03	3.2									
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Time: 00

Length of time sweep: 2 Mc to 16 Mc in one minute.

(Corrections and additions to previously published provisional data)

Baffin I. (70.6°N, 68.6°W)

April 1945

Time	h ¹ 2	f ¹ 2	h ¹ 1	f ¹ 1	h ¹ 2	f ¹ 2	h ¹ 2	f ¹ 2	h ¹ 2	f ¹ 2
00										
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

Time: 00

Length of time sweep: 2 Mc to 16 Mc in one minute.
Median values.

Table 49

(Corrections and additions to previously published provisional data)

Baffin I., Canada (70.5°N, 68.6°W)										March 1945
Time	h'f2	f'0f2	h'f1	f'0f1	h'f	f'0f	f2	f2-M3000		
00										
01										
02										
03								3.0		
04	315							3.0		
05								3.1		
06								3.2		
07			255					3.2		
08	315							3.0		
09	340		245		120					
10					100					
11	350				100			2.9		
12					115					
13			235		110			2.9		
14					140			3.0		
15										
16								3.0		
17										
18										
19	265							3.1	2.2	
20									2.3	
21								3.1		
22								3.0		
23		2.7								

Time: 75°W.

Length of time sweep: 2 Mc to 16 Mc in one minute.

Median values.

Table 50

Trinidad, Brit. West Indies (10.6°N, 61.2°W)

March 1945

Time	h'f2	f'0f2	h'f1	f'0f1	h'f	f'0f	f2	f2-M3000
00	275	5.1						2.9
01	270	4.2						3.0
02	255	4.0						2.9
03	250	3.8						3.2
04	255	3.3						3.1
05	272	2.7						3.1
06	270	3.1						3.1
07	250	5.4						3.3
08	260	6.0	248	4.1	112	2.7		3.2
09	335	7.0	250	4.5	115	3.1		3.0
10	315	8.6	250	4.7	115	3.4		2.9
11	325	9.4	245	4.7	115	3.5		2.9
12	315	10.5	235	4.7	110	3.5		3.0
13	302	10.6	250	4.7	110	3.4		3.0
14	300	10.7	250	4.7	110	3.4		3.0
15	300	10.4	250	4.5	115	3.2		3.0
16	296	10.0	240	4.3	115	2.8		3.0
17	270	9.2						3.0
18	250	8.6						3.0
19	242	7.0					2.5	3.0
20	240	5.9						2.8
21	270	4.9						2.7
22	300	4.8						2.8
23	302	4.5						2.8

Time: 60°W.

Length of time sweep: 2 Mc to 16 Mc in one minute.

Median values.

TABLE 51

IONOSPHERE DATA - I

Washington, D.C.

Ionosphere Station

National Bureau Of Standards

(Institution)

Hourly values of $h'F_2$ in km for August 1945
 Records measured by: J.M.G.
 R.L.S.

TIME: 75° W MERIDIAN

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	260	240	(250)	240	240	260	240	320	260	340	(390)	340	370	520	440	380	320	340	320	240	240	230	290	300
2	(300)	250	220	(240)	280	280	240	560	340	400	360	(410)	480	(470)	360	360	(360)	(340)	(340)	240	220	(240)	260	270
3	260	230	240	260	270	260	240	(320)	(360)	380	400	360	A	A	A	350	340	320	320	250	(270)	280	240	260
4	240	270	260	270	270	220	(240)	(300)	(470)	(410)	340	360	340	(360)	360	330	310	350	(300)	250	220	230	220	250
5	250	240	240	250	240	240	240	340	320	380	330	380	(430)	390	340	340	350	310	280	260	240	270	270	280
6	260	260	270	290	280	260	240	340	(330)	340	(310)	360	280	400	(460)	360	370	330	260	240	280	260	(240)	280
7	270	270	280	280	290	260	240	360	300	300	(350)	360	350	340	340	300	320	290	280	260	220	220	260	250
8	240	240	220	240	250	260	240	320	330	350	360	340	360	330	380	340	340	310	280	220	220	220	240	260
9	240	260	230	260	240	260	(220)	330	300	400	320	380	350	(380)	340	340	350	300	280	(270)	220	240	260	(240)
10	240	250	240	230	220	240	220	240	280	320	(300)	(330)	360	360	340	340	320	290	260	240	240	220	220	250
11	250	240	260	260	250	240	220	(240)	340	290	(310)	380	360	340	330	320	320	280	280	240	(230)	230	240	230
12	250	240	270	270	260	260	220	340	360	340	420	340	420	360	360	340	340	300	280	230	(240)	220	(260)	280
13	260	270	280	260	300	300	220	(470)	460	370	630	520	580	(470)	440	400	380	400	400	240	260	(300)	260	260
14	280	280	270	280	280	300	230	540	G	650	(440)	440	420	(370)	440	380	(330)	(280)	(280)	260	250	280	240	260
15	260	260	270	260	240	250	240	(260)	300	(280)	300	320	380	360	330	330	310	300	280	250	240	260	240	240
16	260	240	240	260	(300)	(300)	260	310	300	300	310	340	330	360	(330)	300	320	280	240	240	A	(240)	(240)	240
17	260	260	260	280	280	260	240	300	260	310	340	340	340	350	320	310	280	290	260	(260)	240	240	260	260
18	260	(280)	270	260	(290)	240	240	260	300	(290)	(300)	320	340	360	330	330	290	300	260	240	220	220	240	(270)
19	280	260	230	250	240	220	(230)	270	280	280	270	330	320	340	320	320	280	280	260	240	240	220	220	240
20	260	240	260	260	250	240	240	250	300	300	320	360	340	360	340	340	340	300	260	240	220	220	(230)	250
21	260	260	250	240	250	260	240	360	300	300	330	360	360	360	320	320	300	280	260	230	220	(240)	230	(280)
22	(280)	270	280	(280)	280	240	240	260	260	300	300	300	340	(340)	(340)	330	270	300	260	240	240	(280)	(300)	300
23	(280)	270	240	240	280	260	230	(300)	320	320	280	340	360	370	340	370	330	320	280	230	220	(280)	(300)	(300)
24	280	280	280	280	290	(280)	220	260	420	320	(300)	360	360	390	(350)	360	320	(320)	280	250	240	230	260	(260)
25	(300)	260	270	260	260	240	(220)	260	(300)	280	280	340	(380)	340	320	320	300	280	280	240	230	230	230	260
26	260	260	270	260	280	240	220	260	260	300	330	(360)	410	390	380	340	320	320	300	(260)	(260)	(250)	(240)	(260)
27	290	(290)	(260)	280	250	260	(230)	(240)	(270)	280	270	330	320	360	300	340	310	260	260	230	220	260	280	380
28	310	250	280	280	280	300	260	260	480	420	370	390	440	370	360	340	360	280	280	240	230	260	(260)	260
29	250	260	(270)	(290)	(320)	(300)	240	340	360	390	370	(380)	440	320	360	360	300	310	250	230	250	240	260	260
30	260	250	240	230	240	260	220	250	(260)	270	280	320	300	320	310	320	300	300	280	250	230	220	240	240
31	260	260	260	240	(250)	260	240	240	(240)	300	300	310	340	340	330	310	300	270	240	240	240	240	240	240
Sum																								
Median	260	260	260	260	270	260	240	300	300	320	320	360	360	360	340	340	320	300	280	240	240	240	240	260

TABLE 52

IONOSPHERE DATA-2

Washington, D.C. _____ Ionosphere Station.

National Bureau of Standards _____

Hourly values of $f^{\circ}F_2$ in $^{\circ}\text{M}$ for August 1945
(Month)Records measured by: J. M. C.
R. L. S.

TIME: 75°W MERIDIAN

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	(3.2)	3.4	2.8	(2.2)F	2.0F	2.7F	3.7	4.8	5.2	5.3	5.0	5.3	5.2	4.7	5.0	5.4	5.7	5.7	5.6	(6.4)	(6.2)	(5.0)	4.2	(3.4)
2	(3.2)	(3.6)	(3.4)	2.3F	(1.5)	2.6	3.4	4.0	4.7	(5.0)	5.0	[5.0]C	5.0	(5.1)	5.5	5.4	[5.4]C	[5.4]C	5.4	(6.2)	5.4	4.1	(3.7)	3.6
3	(3.4)	3.2	2.5	2.2	2.0	2.7	3.9	4.5	(4.7)	4.7	(5.0)	5.4	A	A	A	5.4	5.4	(5.6)	5.7	5.7	[5.5]A	4.8	3.7	3.4
4	(3.2)	2.6	2.4F	2.3F	2.2	3.2	4.4	4.7	(4.9)	5.0	(5.5)	5.7	5.5	[5.4]C	5.5	5.6	5.4	5.4	5.2	5.7	5.9	5.5	4.6	3.9
5	3.6	(3.5)	3.3	3.0	2.5F	2.7F	3.9	4.7	5.2	5.3	5.5	5.5	(5.4)	5.6	5.8	5.3	5.4	5.4	5.3	5.5	5.4	5.3	4.7	4.3
6	4.0	3.5	3.5	3.3	2.8	3.1	3.9	(4.7)	[5.3]A	6.0	[6.3]C	(6.2)	6.4	(5.1)	(5.1)	(5.6)	5.5	5.7	5.6	6.0	5.8	5.5	5.0	4.8
7	4.1	3.5	3.2	3.2	2.5	2.7F	4.0	4.8	(6.0)	(6.4)	(6.0)	(5.7)	6.2	6.3	6.3	(6.8)	6.0	6.3	6.5	(6.0)	[6.1]C	5.3	4.8	4.7
8	4.2	3.6	3.4	3.0F	2.5	(2.4)F	3.9	4.7	5.1	5.5	5.5	5.7	5.9	6.1	5.7	5.7	5.9	5.9	6.1	6.6	5.9	5.0	4.7	4.4
9	3.7F	(3.3)	(3.0)F	2.7	2.2F	(2.7)	3.7	4.7	(5.3)	5.5	(5.9)	5.7	5.8	5.6	6.0	6.0	5.8	5.7	5.6	6.0	(6.5)	5.4	5.0	4.2
10	3.8	3.4	3.4	3.4	(3.2)	3.2	4.7	(5.1)	5.8	5.6	(5.8)	[5.9]C	5.7	5.9	6.0	6.2	6.2	(6.0)	(6.2)	6.2	5.9	5.4	(5.4)	4.6
11	4.2	4.0	3.7	3.5	3.3	3.4	4.3	4.8	5.3	6.3	[6.7]C	5.9	6.3	6.4	(6.5)	6.4	6.3	6.3	(6.6)	(6.2)	5.9	5.4	5.6	4.8
12	(4.5)	4.0	3.9	3.5	3.2	3.4	4.1	4.7	5.4	5.6	5.5	5.6	5.9	5.8	5.8	5.7	5.7	5.8	5.8	5.9	(6.0)	5.6	4.8	4.6
13	4.3	3.9	3.7	3.5	3.1F	(3.1)	3.8	(4.2)	4.8	5.2	(5.0)	5.2	(4.9)	(5.0)	5.0	5.2	5.1	5.1	5.3	(5.4)	5.6	(4.7)F	(4.1)F	4.0
14	3.9F	3.8	3.4	3.3	(3.0)	3.3	(3.5)	(4.0)	4.6	4.6	4.6	5.4	5.4	(5.3)	5.4	5.5	[5.9]C	[5.5]C	[5.3]C	5.5	5.8	5.0	[4.7]C	3.8F
15	(3.8)F	3.5F	3.5F	3.5F	3.5	3.3	3.5	(5.4)	(6.3)	(6.1)	(6.2)	6.0	6.3	6.4	(6.5)	6.6	6.4	6.4	6.4	(6.7)	(7.0)	6.6	[5.8]C	(5.3)
16	4.7	3.8	3.4	3.6	(2.2)F	(2.2)F	3.6	4.9	5.4	6.0	6.0	6.0	(6.0)	(6.2)	[6.3]A	6.3	6.4	6.5	(5.8)	6.5	[6.5]A	(6.3)	5.0	4.7F
17	(4.2)F	3.8	3.4	3.3	3.1F	2.9	4.1	4.9	5.9	5.8	5.6	6.0	(6.3)	6.4	(6.8)	(6.5)	(6.6)	6.5	6.6	6.6	6.4	5.6	5.1	(4.5)
18	4.1	3.9	3.7	3.6	(3.4)	3.3	4.5	5.3	5.9	[6.3]C	[6.3]C	6.4	6.2	5.9	(6.7)	6.6	6.6	(6.8)	6.4	6.6	(6.5)	5.6	4.8	4.4
19	4.3	4.3	3.8	3.4	3.3	3.3	4.3	5.7	6.6	6.4	6.6	6.0	6.1	6.3	6.4	6.4	6.4	6.4	6.4	6.6	(6.5)	(6.3)	5.5	4.2
20	3.6	3.5	(3.1)	3.4	3.4	3.5	(4.1)	5.0	5.5	5.7	5.6	5.7	5.8	6.0	5.9	6.0	5.9	6.2	6.2	(6.2)	(7.2)	5.8	5.1	4.5
21	4.1	3.8	3.5	3.5	3.5	(3.4)	4.3	4.6	5.8	6.0	5.9	5.9	5.8	6.0	6.4	6.4	6.3	6.3	(6.2)	(6.2)	(6.2)	5.6	4.3	3.6
22	3.5	3.4F	3.5	[3.4]A	3.5	3.3	4.2	5.4	(6.2)	(6.2)	6.4	6.4	6.2	[6.7]C	[6.9]C	(7.2)	(7.4)	(6.0)	(6.4)	(7.0)	6.4	5.2	4.6	4.4
23	3.9	3.7	3.6	3.3	2.6	2.4F	4.0	4.8	5.2	5.9	6.0	5.8	5.6	5.5	5.4	5.2	5.4	[5.4]C	5.7	5.8	5.6	4.2	[3.4]A	[3.4]C
24	3.5	3.4	(2.8)F	2.2F	1.8F	2.2F	3.8	4.3	4.4	5.2	5.5	5.4	5.4	(5.5)	[5.5]A	5.3	5.4	5.3	5.2	5.6	[5.8]C	(4.9)	4.1	3.4
25	[3.4]C	3.3	3.2F	3.3	2.7	2.9	(4.0)	5.0	5.1	6.4	(6.6)	5.7	(5.5)	5.5	5.5	5.4	5.5	5.4	5.5	(5.9)	5.7	5.2	(4.1)	4.0
26	3.5	3.4F	3.5	3.3	3.4	(3.3)	4.0	4.9	5.2	5.4	5.2	(5.2)	5.2	5.3	5.3	5.3	4.9	4.9	5.0	5.4	5.8	[4.9]C	[4.0]C	[3.3]C
27	3.3	[3.3]C	[3.2]C	3.0	3.0F	3.0F	[4.0]C	[4.7]C	[5.0]C	5.6	5.7	5.6	5.2	5.6	5.8	5.7	6.2	5.8	5.8	6.0	5.6	4.6	3.7	2.1F
28	2.7F	(3.1)F	(2.7)F	2.7F	1.9F	(2.0)F	3.3	3.7	4.2	4.6	5.0	4.8	5.1	5.1	5.2	5.3	5.5	5.9	5.5	5.5	5.1	4.0	(3.9)	3.5
29	3.3	3.3	(3.1)	2.8	2.5	2.5	3.4	4.1	4.4	4.7	4.9	4.9	5.0	5.2	5.3	5.2	(5.4)	5.3	5.3	4.5	(4.7)F	(3.7)F	(3.7)F	3.4F
30	(2.7)F	2.3F	(2.3)F	2.4F	2.1F	2.1F	3.5F	4.5	5.2	5.5	5.8	5.7	6.0	5.6	5.8	5.6	5.7	5.7	6.0	6.2	6.0	5.6	(4.1)	3.7
31	(3.2)F	(2.5)F	(2.5)F	2.6F	[2.6]C	2.4F	3.5	4.2F	[5.2]C	4.8F	(5.4)	5.8	(5.6)	5.7	5.6	5.7	5.8	5.7	6.0	6.4	(6.0)	4.7	(4.0)	(3.8)J
Sum																								
Median	3.7	3.5	3.4	3.3	2.7	2.9	4.0	4.7	5.2	5.6	5.7	5.8	5.8	5.6	5.8	5.7	5.8	5.8	5.7	6.0	5.9	5.3	4.6	4.0

TABLE 53

IONOSPHERE DATA-3

Washington, D.C.

Ionosphere Station

National Bureau of Standards

Half hourly values of f^oF_2 in $^{\circ}$ for August

1945

Records measured by: J. M. C.
R. L. S.

TIME: 75°W MERIDIAN

Day	0030	0130	0230	0330	0430	0530	0630	0730	0830	0930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230	2330
1	(3.4) ¹	3.3	2.6	2.0 ^F	1.9 ^F	(3.4)	4.3	5.3	5.3	5.0	5.0	5.2	4.9	(4.9)	5.1	5.5	(5.4)	5.8	(6.2)	(6.4)	(5.9)	4.5	3.7	(3.1)
2	3.5	3.5	2.6	(1.7)	(1.6)	3.4	(3.8) ³	4.4	(4.5)	5.0	5.0	5.1	(4.7)	5.1	5.4	5.4	(5.4) ^c	5.4	6.0	(6.4)	4.9	3.8	(3.4) ²	(3.2)
3	3.4	2.7	2.3 ^F	2.0	1.9	3.6	4.2	<4.3 ^G	(4.7) ^A	4.8	(5.1)	(5.5)	A	A	5.2	5.5	5.3	5.7	5.7	(5.6) ^d	5.1	4.1	3.4	(3.3)
4	2.7	2.6	2.3 ^F	2.2 ^F	2.3 ^F	3.7	4.6	(4.8)	5.2	5.5	(5.6)	5.4	(5.5) ^c	(5.3)	5.4	5.4	5.3	5.2	5.2	6.0	5.5	5.2	4.1	3.7
5	3.5	(3.3)	3.1	2.8	2.2 ^F	3.5	4.1	4.8	(5.6)	5.5	5.5	5.4	5.5	5.7	5.6	5.4	(5.3)	5.3	5.2	5.5	5.3	5.0	4.2	4.2
6	3.5	3.4	3.2	3.1	2.6	(3.4)	4.2	(5.0) ^A	5.7	(6.6)	5.9	(6.1)	5.4	(5.4)	(5.3) ^A	5.6	5.5	5.5	5.8	5.7	5.7	(5.2)	5.0	4.5
7	3.9	(3.3)	3.1	2.9	2.3 ^F	3.4	4.3	5.5	6.3	(6.2)	5.8	6.0	6.1	6.4	6.4	6.6	6.0	6.3	6.2	(6.2)	(5.9)	5.0	4.6	4.3
8	3.9	3.5	3.2	2.7	2.4 ^F	(3.5)	4.4	5.1	5.2	(5.4)	5.6	5.8	5.8	6.0	5.8	5.8	5.7	6.0	6.1	(6.4)	5.5	5.0	4.3	(4.1)
9	3.5	(3.5)	(3.0) ^F	2.4 ^F	2.2 ^F	(3.3) ²	4.2	(4.7)	5.3	5.9	(5.7)	5.8	5.4	5.9	5.7	5.8	5.7	5.7	5.9	6.5	5.5	5.1	4.6	3.9 ²
10	3.4	3.5	3.4	3.3	2.8	(3.7)	4.5	5.5	5.9	5.2	(6.0)	5.8	(5.8)	6.4	(5.9)	6.4	6.2	6.1	6.1	6.0	5.9	(5.6)	4.9	4.7
11	4.2	3.7	3.4	3.4	3.3	3.6	(4.6) ²	5.2	(6.0)	(6.2) ^c	6.0	6.0	6.4	6.5	6.5	6.3	6.4	6.0	(6.8)	6.0	6.4	5.6	5.1	4.5
12	4.2	4.0	3.6	3.5	3.3	3.7	4.3	5.0	5.2	(5.3)	5.7	5.7	5.9	6.0	5.9	5.6	5.7	5.8	5.8	6.2	5.6	5.1	4.9	4.4
13	4.2	3.8	3.5	3.4	3.0	3.4	(4.0) ^c	(3.9) ^G	5.2	(5.1) ^c	4.8	5.0	4.9	(5.4)	(5.0)	5.1	5.3	5.1	5.5	5.6	4.7	(4.4) ^F	4.2	3.9
14	(3.6) ^F	(3.5)	(3.4) ^F	3.3	3.3	(3.6)	3.9	(4.0) ^G	4.7	(4.4) ^G	(5.2) ²	(5.4) ^c	5.6	(5.4) ^c	5.5	5.9	(5.7) ^c	5.3	5.2	5.8	5.4	4.6	3.9 ^F	(3.8) ^F
15	3.5 ^F	(3.5) ^c	3.7 ^F	3.6 ^J	3.4 ^F	4.0 ^F	(4.6)	5.9	(5.6)	6.4	5.9	5.9	6.6	(6.6)	6.2	6.2	(6.6)	6.6	6.4	(7.2)	6.4	6.3	(5.5)	(4.4)
16	4.1	3.6	(3.0)	2.1 ^F	1.9 ^F	3.3	4.3	5.4	(5.6) ^A	(6.0) ^A	6.0	6.4	6.0	(6.2)	(6.4)	6.3	6.5	(6.4)	5.9	(6.6)	(6.4)	5.3	5.0	(4.3) ^F
17	4.3	3.5	(3.4)	3.3	2.7 ^F	(3.8) ^c	4.7	5.7	6.2	5.8	(5.8)	6.1	6.5	7.0	(6.6)	(6.5) ²	6.7	(6.6)	6.5	6.6	(6.2)	5.2	4.7	4.5
18	3.9	3.8	3.5	3.5	3.4	3.9	5.2	5.7	6.4	(6.3) ^c	(6.3)	(6.1)	5.9	6.4	6.6	6.4	(6.6)	6.4	6.4	(6.5)	5.2	4.7	4.3	
19	4.3	4.2	3.6	(3.4)	(3.4)	3.5	5.1	(6.2)	6.4	(6.4)	(6.6)	6.4	6.2	(6.6)	6.2	6.6	6.4	6.4	(6.2)	(6.6)	(6.8)	5.8	4.8	4.0
20	3.5	3.4	(3.2)	3.4	3.4	3.8	(4.5)	5.2	5.7	5.9	5.6	(6.0)	5.8	6.0	6.2	6.0	6.2	6.2	(6.4)	(6.4)	6.4	5.7	4.8	4.2
21	4.0	3.8	3.8	3.4	3.5	(3.7)	(4.6)	5.5	(6.4)	(6.3)	5.9	5.9	6.3	6.4	6.4	(6.3)	6.4	6.4	(6.2)	(6.0)	(6.0)	5.0	3.8	3.5
22	3.5	(3.4)	(3.4) ^J	3.3 ^J	3.4	3.5	4.8	5.7	(6.3)	6.4	6.2	(6.2)	(6.6)	(6.8)	(7.0) ^c	(7.3)	(7.0)	6.4	(6.6) ^c	(6.6)	5.5	4.8 ^J	4.2	4.0 ^F
23	3.7	3.6	(3.3) ^c	2.8	2.4 ^F	(3.3)	4.0	5.1	5.4	5.9	5.6	(5.3)	5.5	5.6	5.2	5.2	5.5	5.4	5.9	5.9	5.5	3.5	(3.4) ^A	3.4
24	3.4	3.0 ^F	2.7	2.4 ^F	2.2 ^F	3.3	4.1	(3.8) ^G	5.2	(5.5)	5.4	5.4	5.3	5.5	5.5	5.5	5.4	5.1	5.2	5.8	5.7	4.7	3.7	3.4
25	3.4	3.3	3.2 ^F	(3.7) ^c	2.7	3.5	4.4	5.3	5.8	(6.8)	6.0	(5.7)	5.4	5.7	5.5	5.5	5.5	5.3	5.6	6.2	5.5	4.9	4.0	3.7
26	3.4	3.4	3.3	(3.3) ^F	3.3	3.4 ^F	4.8	4.9	4.8	5.5	5.2	5.2	5.3	5.5	5.2	5.2	4.9	5.1	5.2	5.6	5.7	(4.4) ^c	(3.6) ^c	(3.3)
27	(3.2) ^c	(3.3) ^c	(3.2) ^c	3.2	3.0	3.4	(4.5) ^c	(5.2) ^c	5.7	5.4	5.5	5.8	5.1	5.9	5.7	5.8	5.8	5.8	5.6	5.9	5.4	4.4	(3.2) ^F	(2.1) ^F
28	3.2 ^F	2.7 ^F	(2.5) ^F	2.2 ^F	1.6 ^F	(2.6)	3.4	3.9	4.6	4.8	5.0	4.9	5.4	5.3	5.4	5.4	5.8	5.8	5.3	5.6	4.5	3.9	(3.7) ^c	3.5
29	3.4	3.3	(3.0)	2.5	2.6	3.3	3.8	4.4	4.8	5.0	5.2	(4.9) ^c	5.3	5.5	5.4	5.4	5.3	5.4	5.1	(4.4) ^F	4.3 ^F	(3.5) ^F	(3.5) ^F	3.3 ^F
30	2.4 ^F	2.2 ^F	2.2 ^F	(2.3) ^F	1.8 ^F	(3.1) ^F	4.0	4.7	5.5	5.6	5.8	5.7	5.8	5.8	5.7	5.8	5.5	5.8	6.5	(6.3)	5.8	4.7	(3.7) ^F	(3.5) ^F
31	(2.8) ^c	2.8 ^F	2.7 ^F	(2.6) ^c	(2.5) ^c	3.3	(4.0) ^c	(4.5) ^c	(5.3) ^c	5.5	5.8	5.7	5.5	6.0	5.5	5.8	6.0	5.9	(6.0)	6.6	(5.5)	4.7	3.8 ^F	(3.6)
Sum																								
Median	3.5	3.4	3.2	3.1	2.6	3.5	4.3	5.1	5.5	5.5	5.7	5.7	5.6	5.9	5.7	5.8	5.7	5.8	5.9	6.2	5.6	5.0	4.2	3.9

Washington, D.C.

Ionosphere Station

National Bureau Of Standards

(Institution)

TABLE 54
IONOSPHERE DATA-4Hourly values of f^oF_1 in MHz for August 1945
(Month)Records measured by: J.M.C.
R.L.S.

TIME: 75°W MERIDIAN

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1								230	210	210	210	190	200	200H	210	240	(240)	220	240					
2								240	(220)	220	190	(200)	(210)	200	(220)	200	(230)	(230)	(270)					
3								(240)	(240)	(230)	200	A	A	A	A	220	240	(230)	A					
4								180H	200	200	190	190	180H	(200)	(190)	200	200	240	(230)					
5								(240)	(200)	200	220	180	(200)	270	200	230	230	220	220					
6								A	A	A	(240)	190H	200	240	(220)	A	A	A	220					
7								230	220	220	220	200	200	210	220	210	220	220	220					
8								210	220	200	200	200	180H	190H	200	220	210	220	220					
9								(240)	220	200	(200)	200	220	200	190	200	200	240	(240)					
10								(220)	220	200	200	(200)	180H	210	190	180	210	240	220					
11								230	220	220	(200)	200	(220)	220H	200	210	200	(230)	220					
12								(230)	230	210	200	200	210	(230)	200	200	220	240						
13								(240)	220	200	200	180	(240)	220	200	220	230	220	230					
14								(240)	(210)	200	(180)	230	220	220	(200)	220H	(210)	(210)	(240)					
15								(210)	230	200	200	200	200	190H	220	210	(210)	240						
16								240	(230)	(230)	(210)	200	(230)	(200)	(210)	210	220	230						
17								240	(230)	200	200	220	180	200H	220	200	(230)	C						
18								(230)	220	(210)	200	200	200	200	200	230	220	220	240					
19								240	200	210	200	190H	190	190	220	200	220	(220)	220					
20								(220)	220	200	180H	180	200	200	220	200	220	220	220					
21								240	240	220	200	200	190	200	220	220	220	(220)	220					
22								C	240	220	200	200	200	(210)	(220)	(230)	230	220	240					
23								A	220	220	190H	210	200	200	220	240	230	240	240					
24								(220)	(220)	200	180	220	220	210	(200)	(210)	(240)	A	A					
25								220	220	230H	200	220	(220)	(220)	200	210	220	220	220					
26								220	(240)	210	210	(210)	190	200	220	220	240	220	240					
27								C	(220)	220	190	190	(200)	220	210	230	220	220	220					
28								220	220	240	220	210	200	220	220	210	260	(240)	230					
29								220	230	240	210	190	200	200	180H	220	230	220	220					
30								220	(230)	200	230	200	200	200	200	220	220	240	240					
31								220	(220)	210	200	200	220	200	210	220	220	220	220					
Sum								230	220	210	200	200	200	200	210	210	220	220	220					
Median								230	220	210	200	200	200	200	210	210	220	220	220					

TABLE 56
IONOSPHERE DATA-6

Washington, D.C. Ionosphere Station

National Bureau Of Standards

(Institution)

Hourly values of $h' E_{min}$

for August 1945

Records measured by: J.M.C.
R.L.S.

TIME: 75°W MERIDIAN

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1							110	110	110	110	110	110	110	[110]	110	110	110	110	120					
2							110	110	110	110	110	[110] ^c	110	110	110	110	110	110	[110] ^c	120	140			
3							120	120	110	110	110	110	110	110	110	110	110	110	110	120				
4							120	120	110	110	110	110	110	[110] ^c	110	110	110	110	110	120				
5							120	110	120	110	110	110	110	110	100	110	110	110	110	110				
6							110	110	110	110	110	110	110	110	110	110	100	100	110	110				
7							120	110	120	110	110	110	110	110	110	110	120	110	110	120				
8							110	110	110	110	110	110	110	110	100	110	100	110	110	120				
9							110	110	110	110	110	110	100	110	110	110	110	110	110	110				
10							120	110	110	110	110 ^M	100	110	110	120	100	110	110	110	110				
11							110	110	110	110	110	110	110	100	100	110	110	110	110	120				
12							110	110	110	110	110	110	110	110	110	110	110	110	110	110				
13							110	100	110	100	100	100	110	110	100	100	110	110	110	110				
14							110	110	110	100	110	110	110	110	110	110	110	110	[110] ^c	120				
15							110	110	110	100	110	110	110	110	110	110	110	110	110	120				
16							110	110	110	110	110	110	110	110	110	110	110	110	(110)	120				
17							130	120	110	110	110	110	110	100	120	110	[110] ³	110						
18							110	110	110	[110] ^c	[110] ^c	110	100	110	110	110	100	110	120					
19							120	110	110	100	110	100	110	110	110	110	110	100	100					
20							120	110	110	110	110	100	100	100	110	110	110	110	110					
21							120	110	110	110	110	100	110	110	110	110	110	110	110					
22							110	110	110	110	110	120	110	110	110	110	110	110	100					
23							110	120	110	110	110	110	110	110	110	110	100	120	120					
24							120	120	120	120	110	110	110	110	110	120	120	110	110					
25							120	110	120	120	110	120	100	100	100	100	120	110	100					
26							110	120	110	120	120	110	110	110	110	110	110	120	120					
27							120	[110] ^c	110	110	110	110	110	110	110	110	110	120	120					
28							120	120	110	120	110	110	110	110	110	110	110	110	110					
29							120	120	110	120	110	110	110	110	120	120	110	120	120					
30							130	120	110	110	110	110	110	120	110	110	110	110	120					
31							120	100	[110] ^c	120	110	120	110	110	110	110	110	110	120					
Sun							110	110	110	110	110	110	110	110	110	110	110	110	120					
Median							110	110	110	110	110	110	110	110	110	110	110	110	120					

* Median obtained from four values or less.

TABLE 57

IONOSPHERE DATA-7

Washington, D.C. Ionosphere Station

National Bureau Of Standards

(Institution)

Hourly values of f^oF_2 in $^{\circ}$ for August 1945 (Month)Records measured by: J. M. C.
R. L. S.

TIME: 75°W MERIDIAN

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1						2.3 ^F	(3.0)	A	A	A	(3.5)	(3.4)	(3.4)	(3.4)	(3.4)	[3.4] ^A	(3.3)	3.2	(2.4)					
2						2.1	(2.6)	A	B	A	A	C	A	(3.5)	(3.5)	(3.4)	C	C	(2.5) ^F	C				
3						(2.3) ^F	C	A	A	A	A	A	A	A	A	A	A	[3.0] ^A	2.3					
4						[2.3] ^C	(2.8)	(3.3)	(3.4)	A	A	A	A	C	A	A	A	(3.2)	2.5 ^F	A				
5						(2.3) ^F	A	C	(3.3)	(3.5)	(3.4)	(3.5)	(3.5)	3.5	(3.4)	3.5	[3.3] ^A	3.2	A	A				
6						A	(2.9)	A	A	A	A	B	(3.5)	B	A	A	A	A	(2.6)					
7						(2.1)	(2.9)	[3.4] ^A	A	A	(3.5)	(3.5)	(3.5)	(3.5)	3.5	[3.5] ^A	(3.4)	(3.3)	[2.7] ^B	(1.7)				
8						(2.1) ^F	(3.0)	(3.4)	[3.4] ^A	(3.5)	(3.6)	3.6	3.5	3.5	3.5	(3.4)	[3.3] ^B	(3.2)	[2.5] ^A	A				
9						A	A	A	A	A	[3.5] ^A	[3.5] ^A	3.6	3.5	[3.5] ^A	(3.5)	[3.4] ^A	3.2	(2.5)					
10						(2.4) ^F	(2.7)	[3.3] ^A	3.4	3.4 ^H	A	A	A	A	[3.5] ^A	(3.4)	3.4	(3.2)	(2.6) ^F					
11						(2.1)	A	A	A	C	A	A	A	A	A	A	[3.4] ^A	[3.2] ^B	2.6 ^F					
12						A	A	A	A	A	A	3.4	A	A	A	3.5	3.5	A	2.7					
13						A	A	A	A	A	A	3.4	A	A	A	3.5	3.5	A	A					
14						(2.2)	A	C	A	A	[3.5] ^A	(3.5)	(3.5)	3.5	[3.4] ^A	(3.4)	C	C	AF					
15						A	A	A	A	A	[3.4] ^A	(3.4)	(3.5)	(3.5)	(3.5)	(3.4)	(3.4)	(3.3)	A					
16						A	2.9	[3.3] ^A	A	A	A	3.6	A	A	A	A	[3.4] ^A	3.3	A					
17						(2.2)	(2.8)	A	A	A	A	A	(3.5)	(3.5)	(3.5)	(3.4)	(3.4)	3.0	A					
18						A	A	A	A	C	C	(3.6)	(3.6)	(3.5)	(3.5)	(3.4)	[3.4] ^A	2.5 ^F						
19						A	(2.6) ^F	A	A	(3.4)	[3.4] ^A	[3.5] ^A	3.5	(3.5)	B	A	(3.3)	(3.0)	(2.4)					
20						(2.2)	(2.9) ^F	(3.3)	A	A	A	B	A	B	A	(3.5)	A	A	A					
21						A	C	(3.2)	[3.3] ^A	A	A	A	A	C	C	(3.4)	3.3	[3.0] ^A	(2.3)					
22						(1.9)	A	A	A	A	(3.5)	(3.5)	[3.5] ^A	[3.5] ^A	[3.4] ^A	3.3	(2.8)	2.1						
23						A	A	A	A	A	A	(3.5)	(3.5)	3.4	A	A	A	A	A					
24						A	A	A	A	A	A	A	A	A	A	A	A	A	A					
25						A	A	[3.0] ^A	A	A	A	A	A	A	(3.4)	(3.4)	3.4	[3.0] ^C	(2.2)					
26						A	2.5 ^F	3.2	(3.4)	A	A	A	(3.5)	[3.4] ^A	(3.4)	(3.4)	3.3	(2.9)	A					
27						C	C	C	(3.3)	A	A	A	A	A	A	3.3	3.2	(2.9)	(2.7) ^F					
28						A	(2.6)	[3.1] ^A	[3.4] ^A	3.3	(3.3)	(3.4)	(3.4)	(3.4)	(3.3)	3.3	3.1	(2.7)	A					
29						1.9 ^F	[2.3] ^A	(2.9)	[3.2] ^B	3.4	(3.4)	(3.4)	(3.4)	3.4	(3.4)	3.3	3.3	(2.7)	A					
30						(1.9)	(2.6)	[3.0] ^A	(3.3)	3.5	3.5	3.5	3.5	3.5	[3.4] ^A	(3.4)	(3.2)	(2.8)	A					
31						A	A	C	A	A	A	[3.5] ^A	3.5	3.6	[3.5] ^B	(3.4)	3.3	2.8	(2.3) ^F					
Sum						2.2	2.8	3.2	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.0	2.5	(1.7) [*]				
Median																								

* Median obtained from four values or less.

Records measured by: J. M. C.
R. L. S.[illegible]

TABLE 59

IONOSPHERE DATA-9

Washington, D.C. Ionosphere Station

National Bureau Of Standards

Hourly values of F2-Mi500 for August 1945

Records measured by J.M.G.
R.L.S.

TIME: 75°W MERIDIAN

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	(2.3)	2.1	2.1	(2.0)F	(2.1)F	(2.2)F	2.5	2.1	2.3	2.0	(1.9)	2.1	2.0	1.7	1.8	1.9	2.0	2.0	1.9	(2.2)	(2.1)	(2.2)	1.8	(1.8)
2	(2.0)	(1.9)	(2.4)	(2.1)F	(2.0)	2.0	2.5	(1.6)	2.0	(1.8)	1.9	C	(1.7)	(1.7)	2.0	1.9	C	C	1.9	(2.3)	2.1	(2.0)	(2.0)	2.1
3	(2.2)	2.2	1.9	1.9	1.9	2.0	2.4	2.1	2.0	2.0	(1.9)	2.0	A	A	A	2.0	2.1	(2.0)	2.2	2.3	A	2.1	2.1	2.0
4	2.0	2.0	2.0	2.0	1.9	2.3	2.3	2.4	(1.8)	1.8	(2.1)	2.1	2.2	C	1.9	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.2	2.1
5	2.2	(2.1)	2.0	2.0	(2.0)F	(2.1)F	2.3	2.1	2.1	1.9	2.1	2.0	(1.8)	1.9	2.1	2.0	2.0	2.1	2.1	2.2	2.0	1.9	2.0	2.0
6	1.9	2.0	2.1	1.9	2.1	2.2	2.4	(2.1)	A	2.1	C	(2.0)	2.3	(1.9)	(1.7)	(2.1)	1.9	2.1	2.1	2.3	2.0	2.0	2.1	2.0
7	2.0	2.2	2.0	1.9	2.1	(2.1)F	2.3	2.0	(2.1)	(2.2)	C	(2.0)	2.0	2.0	2.0	(2.1)	2.0	2.2	2.1	(2.3)	C	2.0	2.0	2.0
8	2.1	2.3	2.2	1.9	2.0	(2.5)F	2.3	2.2	2.1	2.0	2.0	2.1	2.0	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.0	2.1	2.2
9	(2.2)F	(2.1)	(2.0)F	2.0	(2.0)F	(2.1)	2.5	2.1	(2.2)	1.9	(2.1)	C	2.0	2.0	2.1	2.0	2.0	2.1	(2.2)	2.2	2.2	2.1	(1.9)	2.0
10	2.1	2.2	2.2	2.0	(2.2)	2.3	2.5	(2.6)	2.4	2.1	(2.1)	C	1.9	1.9	2.0	2.1	2.0	2.2	(2.2)	(2.4)	C	2.2	2.1	2.0
11	2.1	2.0	2.0	2.3	2.2	2.4	2.3	2.1	2.0	2.2	C	1.9	1.9	2.0	(2.1)	2.1	2.0	2.1	2.3	2.1	(2.2)	2.0	2.1	2.0
12	(2.0)	2.0	2.0	(2.2)	(2.1)	2.2	2.4	2.1	2.1	2.1	1.8	2.1	1.8	2.0	1.9	2.1	2.0	2.1	2.3	2.1	(2.2)	2.0	2.1	2.0
13	2.0	1.9	2.0	2.1	(1.8)F	(2.0)	2.5	(1.7)	1.7	2.0	(1.5)	1.6	(1.6)	(1.7)	(1.7)	1.9	1.9	1.8	2.0	(2.1)	(2.0)	(1.9)F	(2.0)F	(2.0)
14	(2.0)F	2.0	(2.1)	2.2	(2.0)	1.8	(2.6)	(1.5)	G	1.5	(1.5)	1.8	1.8	(1.8)	1.7	1.9	C	C	C	2.0	2.1	2.1	C	(2.1)F
15	(2.1)F	(2.2)F	(2.1)F	(2.2)F	(2.1)	2.2	2.4	(2.1)	(2.3)	(2.3)	(2.3)	2.2	1.9	1.9	(2.1)	1.9	(2.1)	2.2	(2.1)	(2.2)	(2.0)	2.0	C	(2.3)
16	2.1	2.1	(2.4)	2.0	(1.8)F	(2.0)F	2.4	2.2	2.2	2.3	2.2	2.0	2.1	(2.0)	A	2.2	2.0	2.3	(2.1)	1.9	A	(2.0)	2.1	(2.3)F
17	(1.9)F	2.1	(2.1)	2.1	(1.9)F	2.0	2.2	2.1	2.3	(2.1)	2.0	2.0	(2.1)	2.0	(2.1)	(2.1)	(2.2)	2.1	2.1	2.1	2.0	2.1	2.0	(1.9)
18	2.0	2.0	(2.1)	(2.1)	(2.3)	2.3	2.3	2.3	2.2	C	C	2.1	2.0	1.9	(2.0)	2.4	2.2	(2.1)	2.2	2.1	(2.4)	2.1	2.0	2.0
19	1.9	2.1	2.2	2.3	2.2	(2.2)	2.3	2.3	2.3	2.2	2.2	2.1	2.0	2.0	2.1	2.0	2.2	2.1	2.0	2.1	(2.4)	(2.1)	2.2	2.2
20	2.2	2.2	(2.0)	2.1	2.2	2.2	(2.4)	(2.2)	2.1	2.2	2.2	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.2	(2.2)	(2.3)	2.2	2.1	2.1
21	2.0	(2.0)	(2.2)	(2.3)	2.1	(2.3)	2.3	1.9	2.2	2.2	2.0	1.9	1.9	2.0	2.0	2.0	2.1	2.2	(2.2)	(2.2)	2.2	2.3	2.3	2.1
22	2.1	(2.0)F	2.0	A	2.2	2.2	2.3	2.2	(2.3)	(2.2)	2.2	2.2	2.0	C	C	(2.1)	(2.3)	(2.1)	(2.3)	(2.2)	2.1	1.8	(1.9)	1.8
23	1.9	2.0	2.2	2.0	1.9	(2.0)F	2.3	2.0	2.2	2.1	2.3	2.1	2.0	2.1	2.0	2.0	2.0	C	2.1	2.2	2.1	A	A	C
24	2.1	2.0	(2.1)F	(2.2)F	(2.2)F	(2.1)F	2.4	2.3	1.9	2.1	(2.2)	2.1	2.0	(1.9)	A	2.0	2.0	(2.1)	2.1	2.1	C	(2.2)	(2.3)	2.2
25	C	2.2	(2.0)F	1.8	2.1	2.1	(2.4)	2.1	1.9	2.3	(2.3)	2.0	A	2.1	2.2	(2.3)	2.2	(2.1)	2.2	(2.2)	2.2	2.2	(2.1)	2.1
26	(2.2)	(2.3)F	2.3	2.0	2.0	(2.2)	2.6	2.5	2.4	(2.3)	2.0	A	1.8	1.9	1.9	2.0	2.1	2.1	2.1	2.1	(2.2)	C	C	C
27	2.0	C	C	1.9	2.1	2.1	C	C	C	2.3	2.4	2.2	2.3	1.9	2.2	2.0	2.2	2.2	2.2	2.3	2.3	1.9	1.9	(1.8)F
28	(1.6)F	(2.0)F	(1.9)F	2.0	2.0	(1.9)F	(2.2)	(2.4)	1.7	1.8	1.9	1.9	1.8	2.0	2.1	2.0	1.9	2.2	2.2	2.1	2.1	2.1	(2.1)	(2.1)
29	2.2	2.2	A	2.0	1.9	(2.1)	2.6	2.1	2.0	1.9	2.0	(2.0)	1.8	2.2	2.0	1.9	(2.2)	2.1	2.3	(2.2)	(2.1)F	(2.4)F	(2.2)F	(2.2)F
30	(2.1)F	(2.1)F	(2.0)F	(2.0)F	(2.0)F	(2.0)F	(2.6)F	2.4	2.2	2.4	2.4	2.1	2.2	2.1	2.1	2.1	2.2	2.1	2.1	2.2	(2.3)	2.2	(2.2)	(2.3)
31	(1.9)F	(2.1)F	(2.1)F	(2.0)F	C	(2.0)F	2.6	(2.7)F	C	(2.3)F	(2.2)	2.2	(2.1)	2.1	2.1	2.1	2.2	2.1	2.2	2.2	(2.2)	(2.2)	(2.3)	C
Sum																								
Median	2.0	2.1	2.1	2.0	2.0	2.1	2.4	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.1	2.1	2.1

TABLE 60
IONOSPHERE DATA-10

Washington, D. C. Ionosphere Station

National Bureau Of Standards
(Institution)

Hourly values of F2-M3000 for August 1945
(Month)

Records measured by: J. M. G.
R. L. S.

TIME: 75°W MERIDIAN

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	(3.3)	3.1	3.1	(3.0) ^F	(3.2) ^F	(3.2) ^F	3.5	3.1	3.3	3.0	(2.9)	3.1	3.0	2.5	2.8	2.9	3.0	2.9	2.9	(3.2)	(3.1)	(3.2)	2.8	(2.8)
2	(3.0)	(2.9)	(3.4)	(3.1) ^F	(3.0)	3.0	3.6	(2.4)	3.0	(2.7)	2.9	C	(2.6)	(2.6)	2.9	2.8	C	C	2.9	(3.4)	3.2	(3.0)	(3.0)	3.1
3	(3.2)	3.2	2.9	2.8	2.9	3.0	3.3	3.1	2.9	3.0	(2.8)	3.0	A	A	A	3.0	3.0	(3.0)	3.2	3.3	A	3.1	3.1	3.1
4	2.9	2.9	3.0 ^F	2.9 ^F	2.9	3.3	3.3	3.4	(2.7)	2.7	(3.1)	3.1	3.2	C	2.9	3.2	3.1	2.9	3.1	3.2	3.1	3.1	3.2	3.1
5	3.2	(3.1)	3.0	3.0	(2.9) ^F	(3.1) ^F	3.2	3.1	3.1	2.9	3.1	2.9	(2.8)	2.8	3.1	3.0	3.0	3.1	3.1	3.2	3.0	2.8	2.9	3.0
6	2.8	3.0	3.1	2.8	3.1	3.2	3.4	(3.1)	A	3.1	C	(3.0)	3.3	(2.8)	(2.6)	(3.1)	2.9	3.1	3.1	3.3	3.0	3.0	3.1	3.0
7	3.0	3.3	3.0	2.8	3.1	(3.2) ^F	3.3	3.0	(3.1)	(3.3)	C	(3.0)	2.9	3.0	3.0	(3.1)	3.0	3.2	3.1	(3.3)	C	3.0	3.0	3.0
8	3.2	3.3	3.2	2.9 ^F	3.1	(3.5) ^F	3.4	3.3	3.1	(3.3)	3.0	3.1	2.9	3.0	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.0	3.0	2.9
9	(3.2) ^F	(3.1)	(3.0) ^F	3.0	(3.0) ^F	(3.1)	3.5	3.1	(3.3)	2.8	(3.1)	2.9	3.0	2.8	3.0	3.0	2.9	3.1	3.1	3.1	(3.2)	3.0	3.0	3.2
10	3.0	3.2	3.2	3.0	(3.2)	3.3	3.5	(3.6)	3.4	3.1	(3.1)	C	3.0	2.9	3.0	3.0	3.0	(3.2)	(3.3)	3.3	3.2	3.0	(2.8)	3.0
11	3.1	2.9	3.0	3.4	3.2	3.5	3.3	3.1	2.9	3.2	C	2.8	2.9	3.0	(3.1)	3.1	3.0	3.2	(3.2)	(3.4)	C	3.2	3.1	3.0
12	(2.9)	3.0	3.0	(3.2)	(3.1)	3.2	3.4	3.1	3.0	3.1	2.8	3.1	2.7	3.0	2.9	3.1	2.9	3.1	3.3	3.1	(3.1)	3.0	3.0	3.0
13	3.0	2.8	3.0	3.1	(2.8) ^F	(2.9)	3.5	(2.6)	2.5	2.9	(2.2)	2.5	(2.4)	(2.6)	(2.6)	2.8	2.9	2.7	3.0	(3.1)	(3.0)	(2.9) ^F	(3.1) ^F	(2.9)
14	(3.0) ^F	3.0	(3.1)	3.2	(3.0)	2.8	(3.7)	(2.2)	6	2.3	(2.3)	2.7	2.7	(2.7)	2.6	2.9	C	C	C	(3.2)	(2.9)	3.1	3.0	C
15	(3.0) ^F	(3.2) ^F	(3.1) ^F	(3.2) ^F	(3.1)	3.2	3.4	(3.1)	(3.3)	(3.3)	(3.3)	3.3	2.8	2.9	(3.1)	2.9	(3.1)	3.2	(3.1)	(3.2)	(2.9)	3.0	C	(3.3) ^F
16	3.0	3.1	(3.4)	3.0	(2.7) ^F	(3.0) ^F	3.5	3.2	3.2	3.3	3.2	3.0	3.1	(3.0)	A	3.1	3.0	3.2	(3.1)	2.8	A	(3.0)	3.1	(3.3) ^F
17	(2.9) ^F	3.1	(3.1)	3.1	(2.8) ^F	2.9	3.2	3.0	3.3	(3.1)	3.0	3.0	(3.1)	3.0	(3.1)	(3.0)	(3.2)	3.1	3.1	3.1	3.0	3.1	3.0	(2.9)
18	2.9	2.9	(3.1)	(3.1)	(3.3)	3.4	3.3	3.3	3.2	C	C	3.1	3.0	2.9	(3.0)	3.1	3.2	(3.1)	3.2	3.1	(3.4)	3.0	3.0	3.0
19	2.9	3.1	3.2	3.3	3.2	(3.2)	3.3	3.3	3.3	3.3	3.2	3.1	3.0	3.0	3.1	3.0	3.2	3.1	3.0	3.1	(3.4)	(3.1)	3.2	3.2
20	3.2	3.2	(3.0)	3.2	3.2	3.2	(3.4)	(3.2)	3.2	3.2	3.1	3.0	3.0	3.1	2.9	3.0	2.9	3.1	3.2	(3.2)	(3.3)	3.2	3.1	3.1
21	2.9	(2.9)	(3.2)	(3.3)	3.1	(3.3)	3.3	2.9	3.1	3.2	3.0	2.9	2.9	3.0	3.0	3.0	3.0	3.2	(3.2)	(3.1)	(3.1)	3.2	3.3	3.1
22	3.1	(3.0) ^F	3.0	A	3.2	3.3	3.3	3.2	(3.3)	(3.2)	3.2	3.2	2.9	C	C	(3.1)	(3.3)	(3.1)	(3.3)	(3.2)	3.1	2.8	(2.9)	2.7
23	2.9	3.0	3.2	3.0	2.9	(3.1) ^F	3.3	3.0	3.2	3.1	3.3	3.1	3.0	3.0	3.0	3.0	2.9	C	3.2	3.2	3.1	A	A	C
24	3.1	3.0	(3.0) ^F	(3.1) ^F	(3.3) ^F	(3.3) ^F	3.4	3.3	2.9	3.2	(3.2)	3.1	2.9	(2.8)	A	3.0	3.0	(3.1)	3.0	3.1	C	(3.2)	(3.3)	3.3
25	C	3.2	(3.0) ^F	2.8	3.1	3.2	(3.4)	3.1	2.8	3.3	(3.3)	3.0	A	3.1	3.3	(3.3)	3.2	(3.1)	3.2	(3.2)	3.2	3.2	(3.1)	3.1
26	(3.3)	(3.3) ^F	3.3	3.0	3.0	(3.3)	3.6	3.5	3.4	(3.3)	3.0	A	2.7	2.8	2.9	3.0	3.1	3.1	3.1	3.1	(3.2)	C	C	C
27	3.0	C	C	2.9	3.0 ^F	3.0 ^F	C	C	C	3.3	3.5	3.2	3.3	2.9	3.2	3.0	3.2	3.3	3.3	3.3	3.3	2.8	2.9	(2.7) ^F
28	(2.4) ^F	(3.0) ^F	(2.8) ^F	3.0 ^F	3.0 ^F	(2.8) ^F	(3.2)	3.4	2.6	2.7	2.9	2.9	2.7	3.0	3.1	3.0	2.9	3.2	3.2	3.1	3.1	3.0	(2.9)	(3.1)
29	3.2	3.2	A	2.9	2.9	(3.1)	3.6	3.1	3.0	2.8	3.0	(3.0)	2.7	3.3	3.0	2.9	(3.2)	3.1	3.3	(3.2)	(3.1) ^F	(3.4) ^F	(3.2) ^F	(3.2) ^F
30	(3.1) ^F	(3.1) ^F	(3.0) ^F	(3.0) ^F	(3.0) ^F	(3.0) ^F	(3.0) ^F	3.4	3.2	3.4	3.4	3.1	3.2	3.1	3.1	3.1	3.2	3.1	3.1	3.2	(3.3)	3.2	(3.2)	(3.3)
31	(2.9) ^F	(3.1) ^F	(3.0) ^F	(3.0) ^F	C	(3.0) ^F	3.7 ^F	(3.7)	C	(3.3) ^F	(3.2)	3.2	(3.1)	3.1	3.1	3.2	3.2	3.1	3.2	3.2	(3.2)	(3.2)	(3.3)	C ^F
Sum																								
Median	3.0	3.1	3.0	3.0	3.0	3.2	3.4	3.1	3.1	3.1	3.1	3.0	2.9	3.0	3.0	3.0	3.0	3.1	3.1	3.2	3.1	3.0	3.1	3.1

TABLE 61

IONOSPHERE DATA-II

Washington, D.C.
(Location)
National Bureau of Standards
(Institution)

Records measured by: J. M. C.
R. L. S.

Hourly values of F1-M3000 for August 1945
1945
(Month)

TIME: 75° W MERIDIAN

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1								3.7	3.7	3.7	3.9	3.9	3.9	3.8	3.7	3.5	3.4	3.6	(3.7)					
2								3.7	3.6	3.8	3.8	C	3.8	(4.1)	3.7	3.9	C	C	J					
3								C	A	A	3.9	A	A	A	A	3.7	3.7	A	C					
4								(4.0)	3.8	(3.7)	4.0	3.8	3.9	C	3.9	3.9	3.6	3.5	(3.9)					
5								3.5	C	3.6	3.7	4.0	(3.7)	3.8	3.8	3.7	3.7	3.5	(3.7)					
6								A	A	A	3.6	(3.9)	4.1	3.7	3.8	A	A	A	(4.0)					
7								3.5	3.7	3.7	(3.8)	4.1	3.8	3.8	3.7	3.7	3.6	3.5	3.8					
8								(3.5)	3.8	3.6	3.9	4.0	(4.1)	(3.8)	3.7	3.5	3.7	3.6	(3.8)					
9								3.4	A	3.6	A	3.8	3.8	(3.8)	(3.9)	3.7	3.5	3.6	A					
10									3.7	3.8	(4.0)	(4.0)	(3.8)	3.8	(4.0)	3.9	3.4	3.5	(3.9)					
11									3.6	3.6	C	3.9	A	3.6	(3.8)	3.6	3.6	3.6						
12								A	3.7	3.7	3.9	3.6	3.8	(3.5)	3.8	3.6	3.5	3.5						
13								3.6	3.5	3.8	(3.8)	(4.1)	(3.6)	3.7	3.7	3.5	3.5	3.6	3.8					
14								(3.5)	3.8	3.7	(3.9)	3.7	3.8	(3.6)	3.6	3.6	C	C						
15								(3.5)	C	(3.9)	(3.9)	3.9	3.7	(3.5)	3.6	3.6	3.5	3.5						
16								(3.4)	A	(3.7)	3.6	4.0	3.6	(3.8)	A	3.8	3.5	(3.6)						
17								3.5	(3.8)	3.8	3.6	(3.5)	(3.9)	(3.6)	3.5	3.7	B	C						
18								A	3.5	C	C	3.9	3.7	3.8	3.6	3.6	3.5	(3.6)	(3.8)					
19								(3.7)	3.7	3.7	3.9	(3.8)	3.8	4.1	3.6	3.9	3.5	(3.8)	(3.8)					
20								A	3.7	3.8	(3.8)	3.7	3.9	3.5	3.5	3.5	3.5	3.6	3.9					
21								3.5	3.5	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	(3.8)					
22								C	3.5	3.7	3.8	3.8	3.7	C	C	3.4	(3.5)	(3.7)	(3.7)					
23								A	(3.5)	3.5	(3.8)	3.7	3.8	3.6	3.5	3.5	3.5	3.3	3.6					
24								A	A	3.9	4.1	3.6	3.7	3.7	A	A	3.4	A	A					
25								(3.7)	(3.7)	3.5	4.0	3.6	A	(3.6)	3.8	(3.9)	3.6	(4.2)						
26								(3.9)	(3.6)	(3.5)	(3.7)	A	(4.0)	3.9	(3.7)	3.5	3.7	(3.7)						
27								C	C	3.6	4.0	4.1	(3.9)	3.7	3.7	3.6	3.5	4.0						
28									3.7	3.6	3.8	3.8	3.9	3.7	3.5	3.7	3.5	3.7	(3.6)					
29								(3.7)	3.6	3.6	3.7	3.8	4.0	(3.9)	(3.6)	3.6	3.5	3.6						
30								(4.1)		3.8	3.7	3.8	3.8	3.6	3.5	3.5	3.5	3.8						
31								A	C	3.8	(4.0)	4.1	3.7	3.6	3.8	3.8	3.6	3.8						
Sum								3.6	3.7	3.7	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.6	3.8					
Median								3.6	3.7	3.7	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.6	3.8					

TABLE 62 IONOSPHERE DATA-12

Washington, D.C.

Ionosphere Station

National Bureau Of Standards

(Institution)

Hourly values of E-M1500 for AUGUST 1945

Records measured by: J. M. C.
R. L. S.

TIME 75° W MERIDIAN

Day	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1			(36) ^F	(37)	A	A	(42)	(45)	(43)	(43)	(43)	A	(44)	39	(40)					
2			(40)	A	A	B	A	C	A	(44)	(42)	(44)	C	C	AF	C				
3			AF	C	A	A	A	A	A	A	A	A	A	A	(42)					
4			C	(44)	43	(44)	A	A	A	C	A	A	A	(42)	(42) ^F	A				
5			(35) ^F	A	C	(43)	(43)	(44)	(44)	(44)	(43)	(43)	A	43	A	A				
6			A	(43)	A	A	A	B	(44)	B	A	A	A	A	(41)					
7			A	(42)	A	A	A	(43)	(43)	(43)	(42)	A	(42)	(40)	B	(36)				
8			(38) ^F	(38)	(42)	A	(43)	(43)	42	43	42	(43)	B	(40)	A	A				
9			A	A	A	A	A	A	(44)	(42)	A	(42)	A	40	A					
10			F	A	A	44	(45) ^F	A	A	A	A	(44)	42	(40)	AF					
11			A	A	A	A	C	A	A	A	A	A	A	B	(38) ^F					
12			A	A	A	A	A	A	A	A	(45)	(43)	(42)	40	AF					
13			A	A	A	A	A	43	A	A	45	45	A	A	(37)					
14			(39)	A	C	A	A	A	(43)	41	A	(45)	C	C	AF					
15			A	A	A	A	(45)	A	(43)	(44)	(44)	(44)	(42)	(39)	A					
16			A	40	A	A	A	43	A	A	A	A	(42)	39	A					
17			(38)	41	A	A	A	A	(42)	B	A	A	B	C						
18			A	A	A	A	C	(43)	(44)	A	(45)	(45)	A	A	(39) ^F					
19			A	AF	A	A	(40)	(44)	(42)	(42)	(44)	A	(40)	42	A					
20			A	A	A	(43)	A	(44)	(42)	(43)	B	A	(43)	(42)	A					
21			(42)	AF	(40)	A	A	A	A	A	A	A	A	A	A					
22			A	C	(42)	A	A	A	A	C	C	(42)	(40)	A	A					
23			A	A	A	A	A	(44)	(43)	A	A	A	40	40	42					
24			A	A	A	A	A	A	(43)	42	A	A	A	A	A					
25			A	A	A	A	A	A	A	A	(41)	(42)	42	C	(42)					
26			A	(31) ^F	39	(42)	A	A	(44)	A	(42)	(42)	(42)	A	A					
27			C	C	C	(40)	A	A	A	A	(45)	45	41	(43)	AF					
28			A	(41)	A	A	42	(42)	(43)	(44)	(44)	(45)	42	(41)	A					
29			AF	A	(42)	B	44	(43)	(43)	44	(42)	43	(41)	A	A					
30			(37)	(42)	A	(44)	42	42	(43)	43	A	41	42	(40)	A					
31			A	A	C	A	A	A	44	44	B	(42)	42	37	(35) ^F					
32																				
33																				
34																				
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* Median obtained from four values or less.

Table 63

Ionospheric Storminess, August 1945

Day	Ionospheric Character*		Principal Storms/		Geomagnetic Character**	
	00-12 GCT	12-24 GCT	Beginning GCT	End GCT	00-12 GCT	12-24 GCT
August						
1	2	3			1	2
2	3	3			3	2
3	2	1			2	2
4	2	2			2	1
5	1	1			2	2
6	2	2			2	1
7	2	1			1	1
8	0	1			1	2
9	1	1			1	1
10	1	1			1	1
11	1	0			1	2
12	1	1			2	1
13	2	3			2	2
14	2	3			3	2
15	2	1			2	2
16	1	1			2	1
17	1	1			1	1
18	1	0			1	1
19	1	0			1	1
20	1	1			1	1
21	1	1			2	2
22	2	1			1	3
23	2	3			3	1
24	3	3			1	0
25	2	2			1	0
26	2	3			1	1
27	2	2			1	2
28	3	3			4	2
29	3	3			2	1
30	3	2			0	1
31	2	2			1	1

*Ionosphere character figure (I-figure) for ionospheric storminess at Washington, D.C., during 12-hour period, on an arbitrary scale of 0 to 9, 9 representing the greatest disturbance.

** Average for 12 hours of American magnetic K-figure, determined by a number of observatories, on an arbitrary scale of 0 to 9, 9 representing the greatest disturbance.

/ No major ionosphere storms were observed at Washington during August, 1945.

Table 64

Sudden Ionosphere Disturbances Observed

at Washington, D.C.

Day	GCT		Locations of transmitters	Relative intensity at minimum*	Other phenomena
	Beginning	End			
August					
17	2020	2145	Ohio, D.C., England, Mexico, Brazil, Chile	0.0	Terr.mag. pulse** 2019-2120

*Ratio of received field intensity during SID to average field intensity before, and after, for station W8XAL, 6080 kilocycles, 600 kilometers distant.

**As observed on Cheltenham magnetogram of the United States Coast and Geodetic Survey.

July 1945

Compared with IRPL and ISB Warnings and IRPL A-Zone Forecasts.

Day	North Atlantic				North Pacific			
	Quality Figure	IRPL Warning	A-Zone Forecast	Geo-magnetic K _A	Quality Figure	IRPL Warning	A-Zone Forecast	Geo-magnetic K _A
1	(3)(4)			01-12 GCF	5	X X X X	7	4
2	(4)	X		01-12 GCF	7		7	2
3	5			13-24 GCF	7		6	2
4	5			01-12 GCF	6		6	3
5	6			13-24 GCF	7		6	2
6	(4)	X		01-12 GCF	7	X X	5	4
7	5	X		13-24 GCF	7		6	2
8	5			01-12 GCF	6		6	2
9	6			13-24 GCF	7		5	2
10	6			01-12 GCF	7		6	2
11	6			13-24 GCF	7		6	1
12	6			01-12 GCF	7		6	1
13	6			13-24 GCF	6		5	1
14	6			01-12 GCF	7		(4)	1
15	7			13-24 GCF	7		(4)	1
16	7			01-12 GCF	7		(4)	1
17	6			13-24 GCF	7		(4)	2
18	5			01-12 GCF	5	X X	5	2
19	6			13-24 GCF	7		6	2
20	6			01-12 GCF	7		6	1
21	6			13-24 GCF	7		6	1
22	7			01-12 GCF	7		6	1
23	7			13-24 GCF	7		5	1
24	6			01-12 GCF	7		5	1
25	6			13-24 GCF	7		6	2
26	7			01-12 GCF	7	X	6	1
27	6			13-24 GCF	7		6	1
28	5			01-12 GCF	7		6	1
29	6			13-24 GCF	7		(4)	3
30	(4)			01-12 GCF	6		(4)	3
31	5			13-24 GCF	7	X X	6	2
Score:								
H	2	2	0	1	0	1	0	0
M	2	25	21	23	23	24	24	1
G	22	4	1	1	1	1	1	6
(S)	4	2	0	6	6	6	6	6
S	1	0	5	6	6	6	6	6

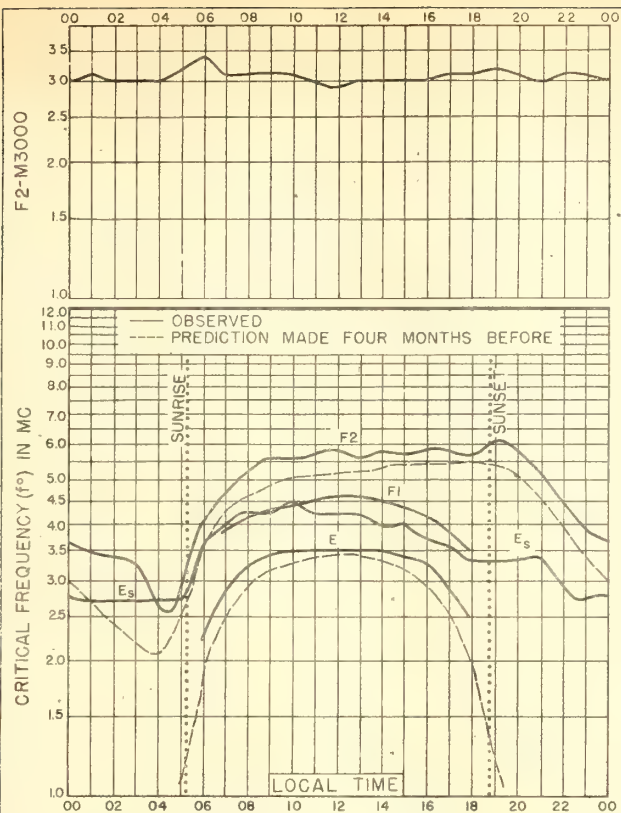


Fig. 1. WASHINGTON, D.C.
39.0°N, 77.5°W

AUGUST, 1945

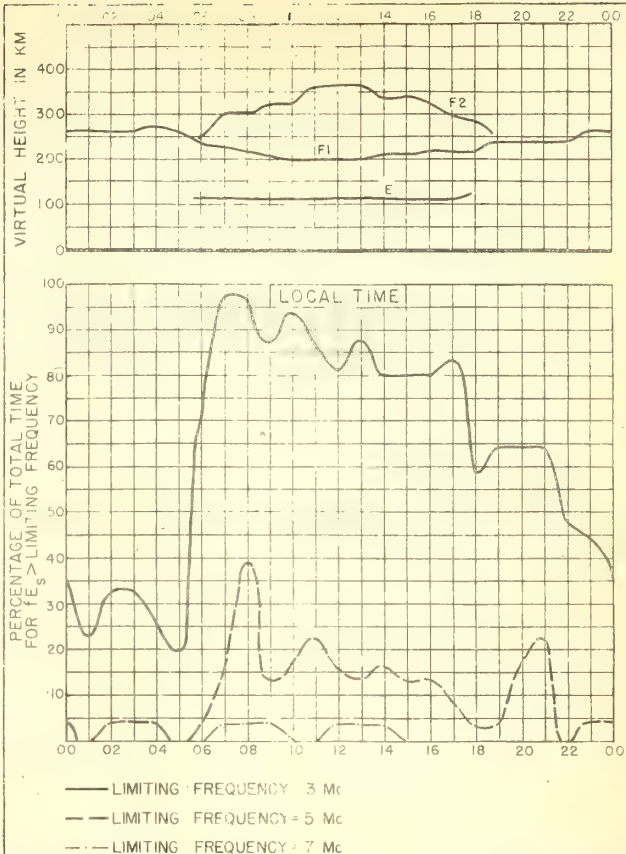


Fig. 2. WASHINGTON, D.C.

AUGUST, 1945.

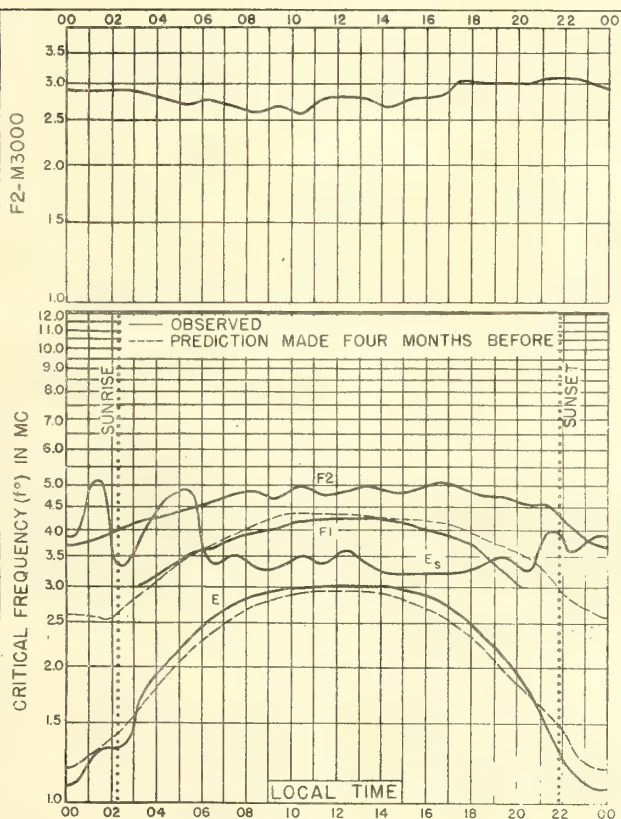


Fig. 3. FAIRBANKS, ALASKA
64.9°N, 147.8°W

JULY, 1945

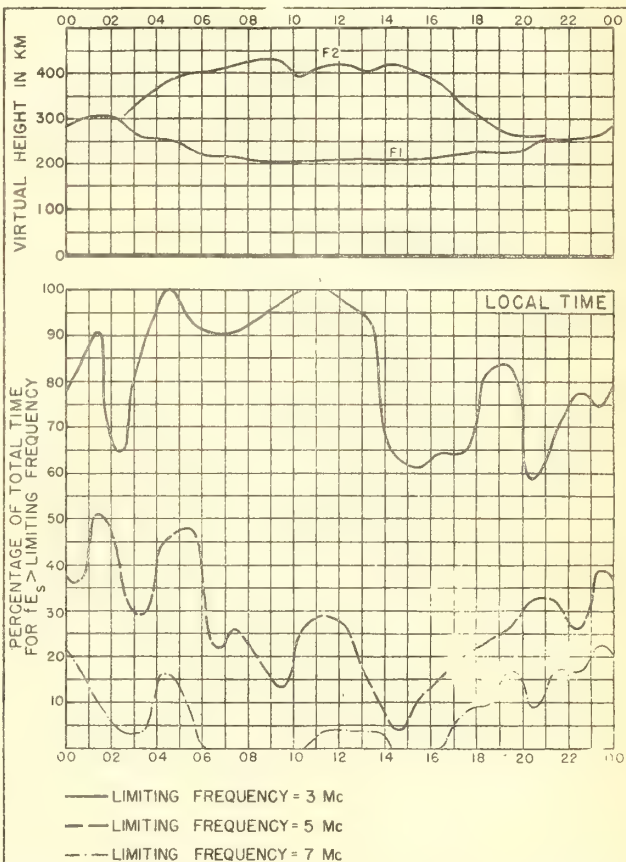
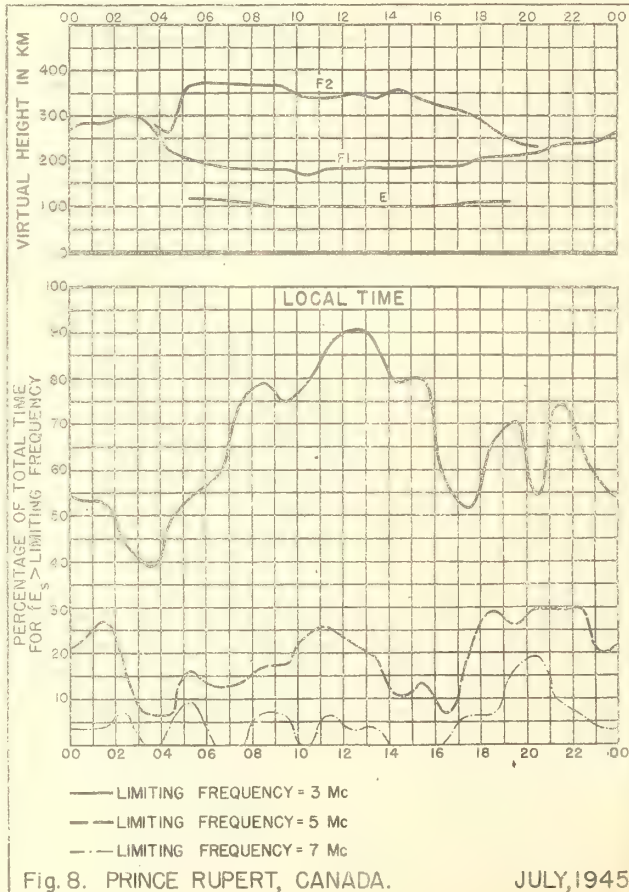
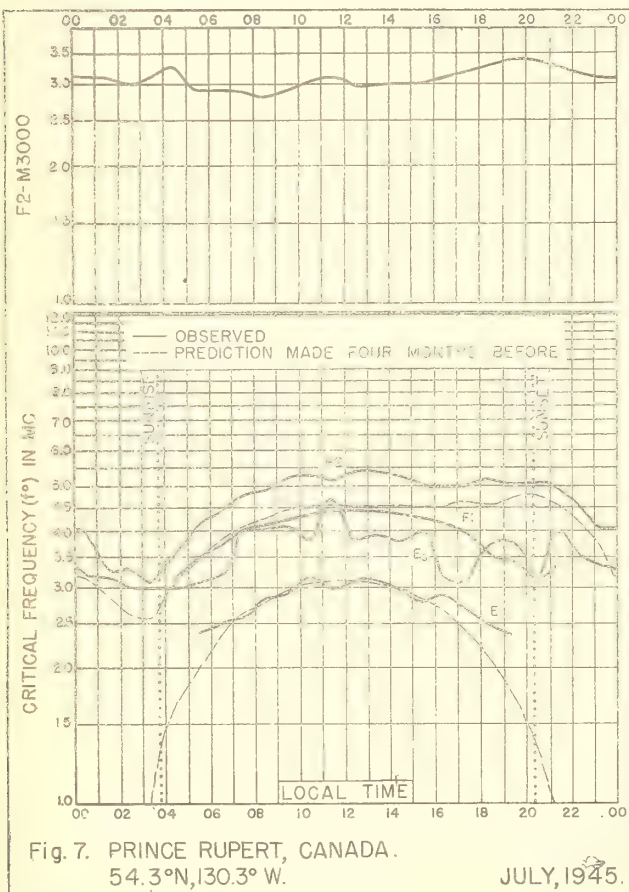
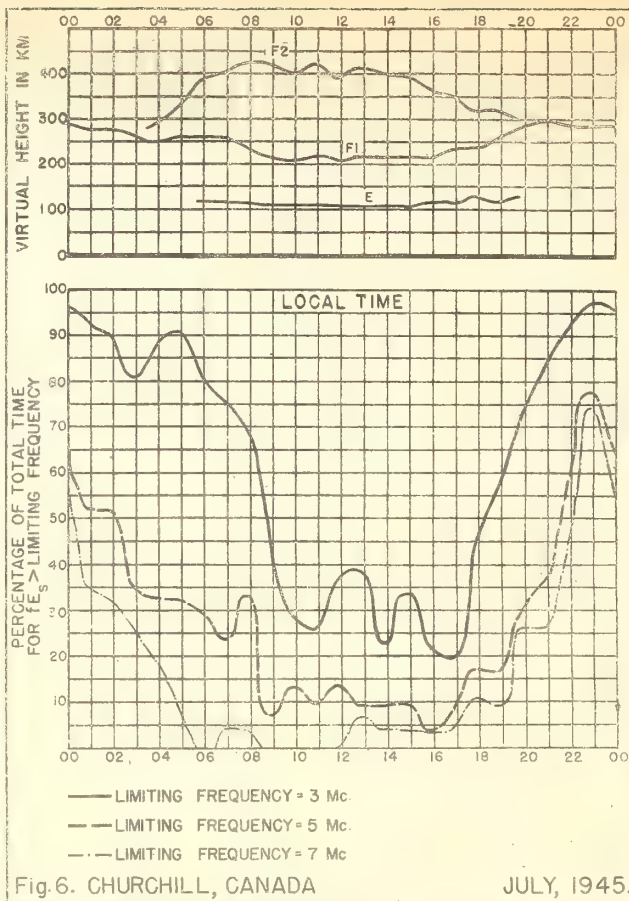
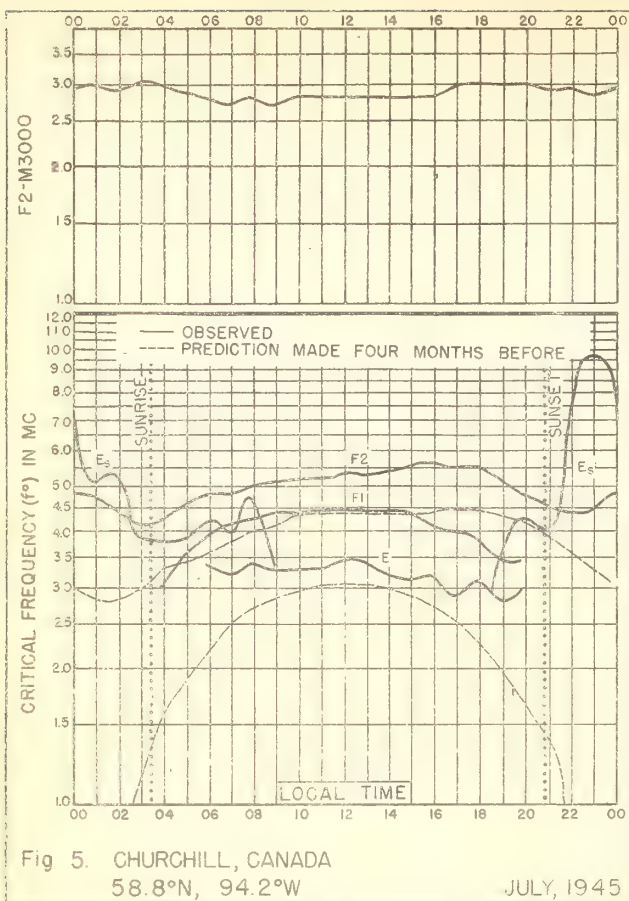


Fig. 4. FAIRBANKS, ALASKA.

JULY, 1945.



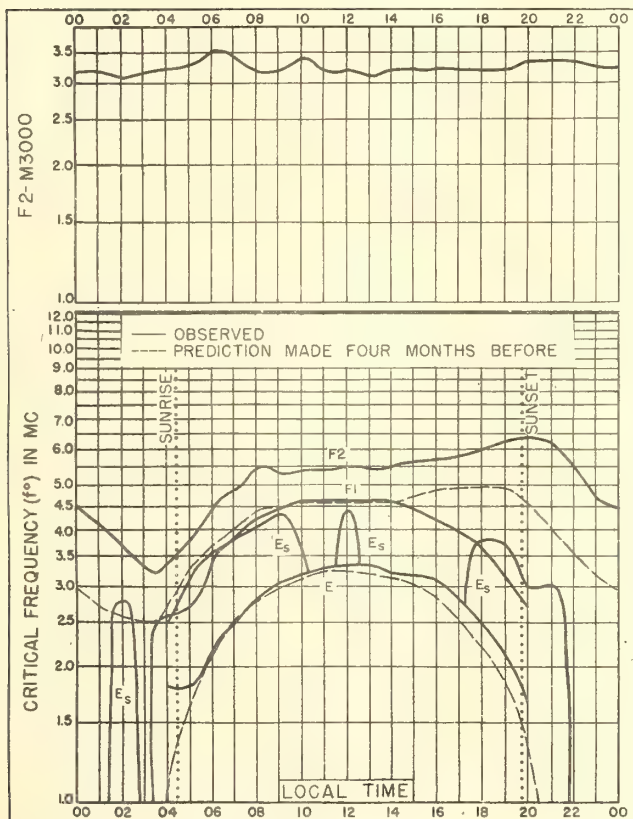
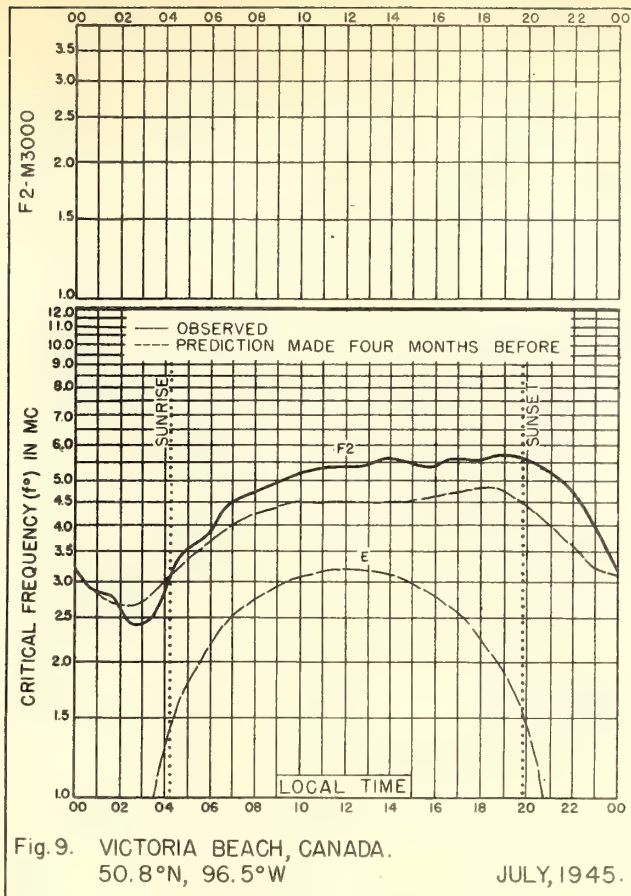


Fig. 10 ST. JOHN'S, NEWFOUNDLAND.
47.7°N. 52.7°W.

JULY, 1945.

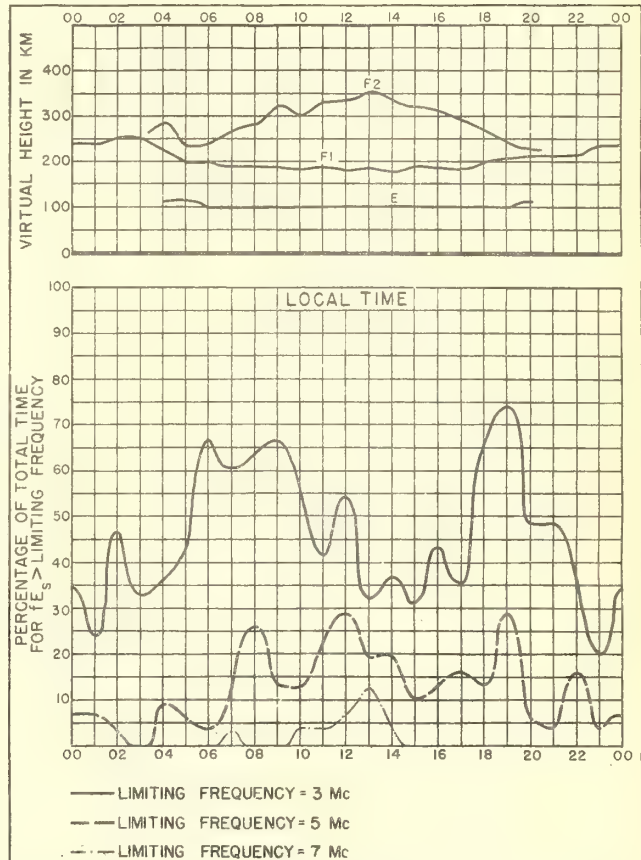


Fig. 11. ST. JOHN'S, NEWFOUNDLAND

JULY, 1945.

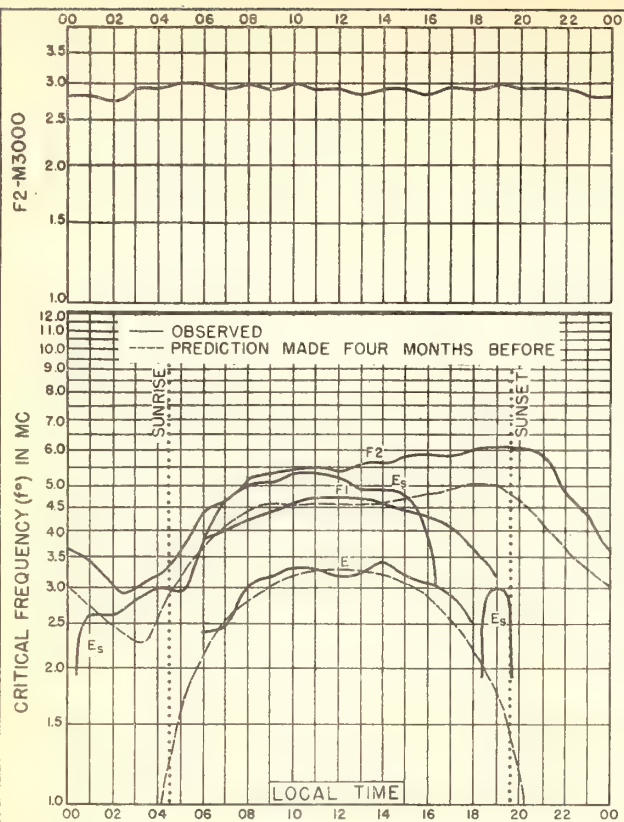


Fig. 12. OTTAWA, CANADA
45.5°N, 75.8°W

JULY, 1945

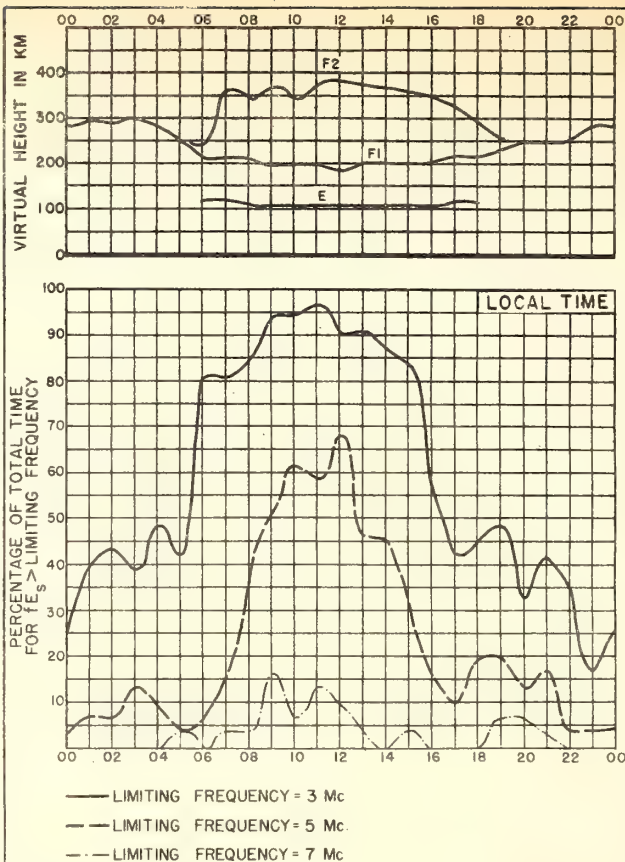


Fig. 13. OTTAWA, CANADA

JULY, 1945.

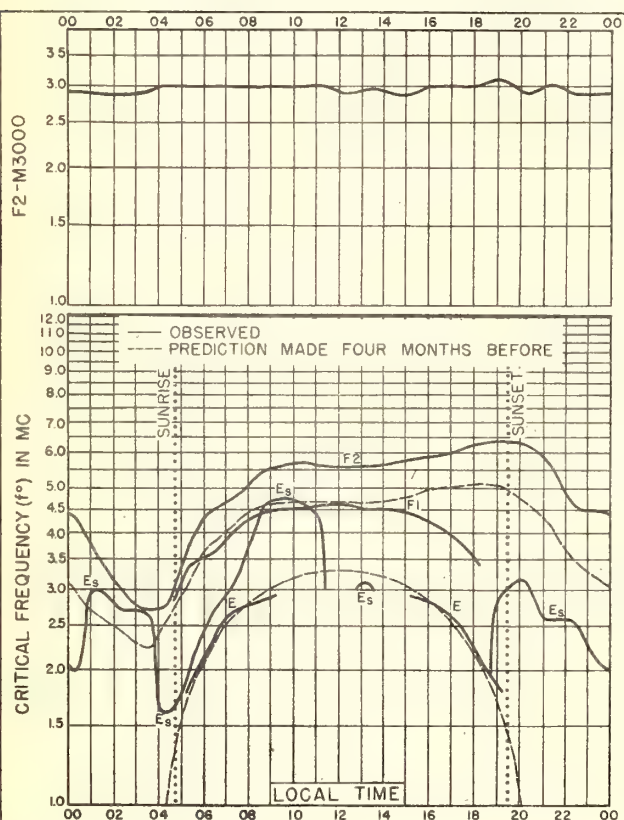


Fig. 14. BOSTON, MASSACHUSETTS
42.4°N, 71.2°W

JULY, 1945

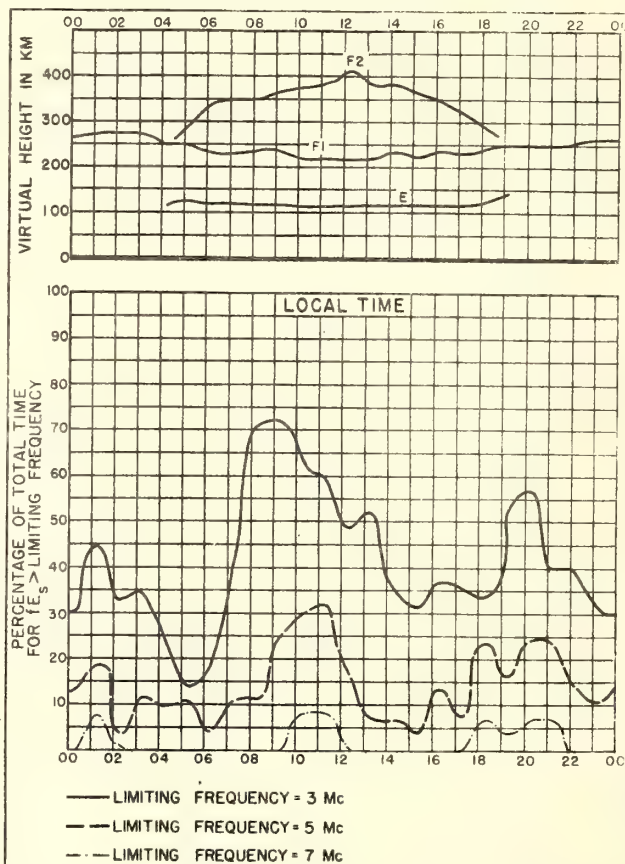


Fig. 15. BOSTON, MASSACHUSETTS

JULY, 1945

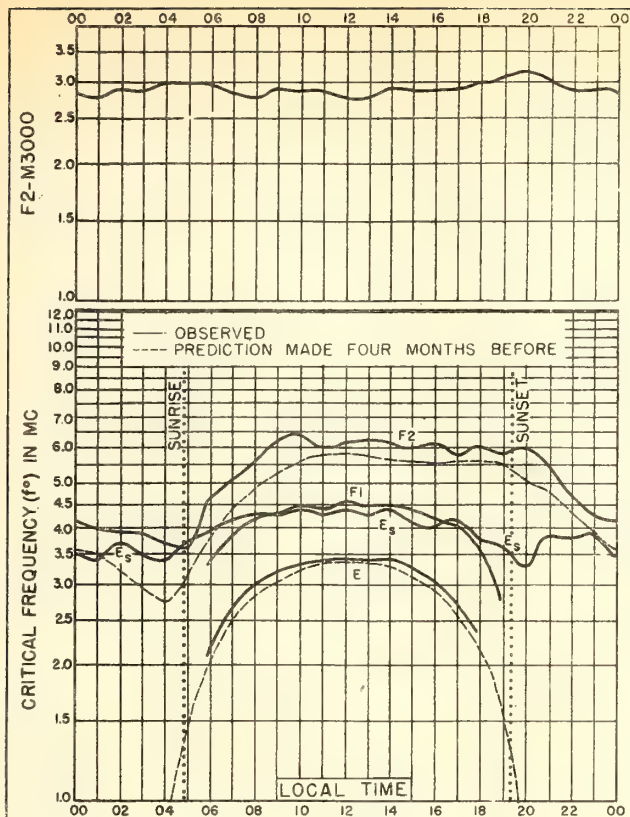


Fig. 16. SAN FRANCISCO, CALIFORNIA
37.4°N, 122.2°W

JULY, 1945

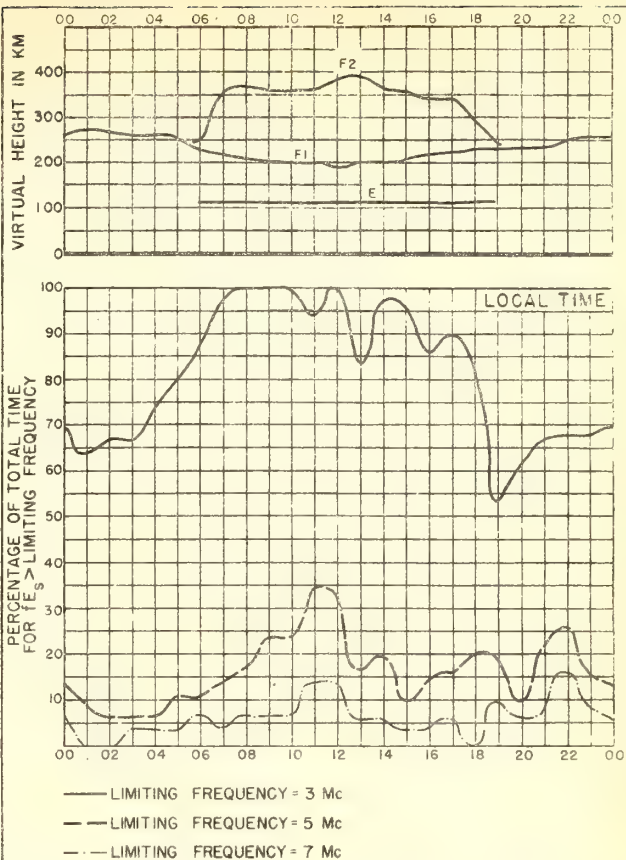


Fig. 17. SAN FRANCISCO, CALIFORNIA

JULY, 1945.

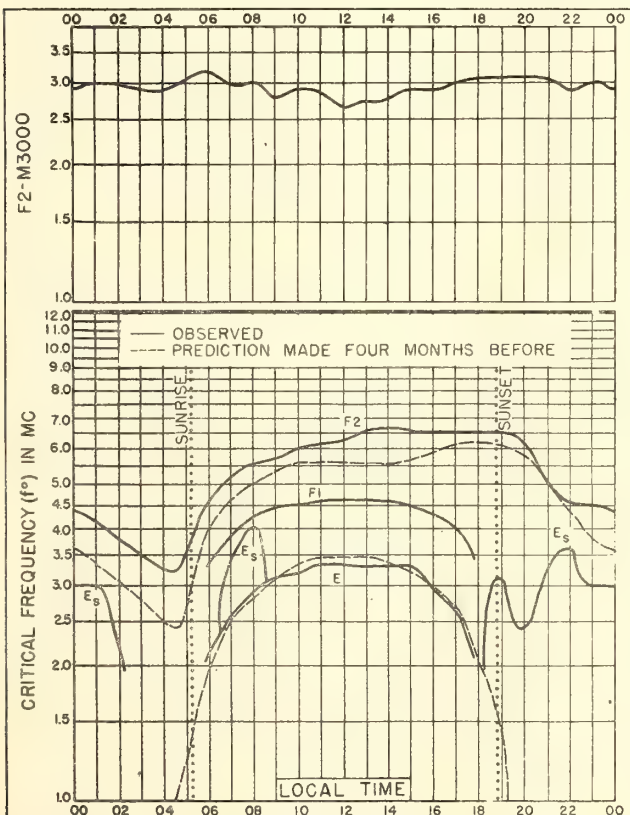


Fig. 18. BATON ROUGE, LOUISIANA
30.5°N, 91.2°W

JULY, 1945

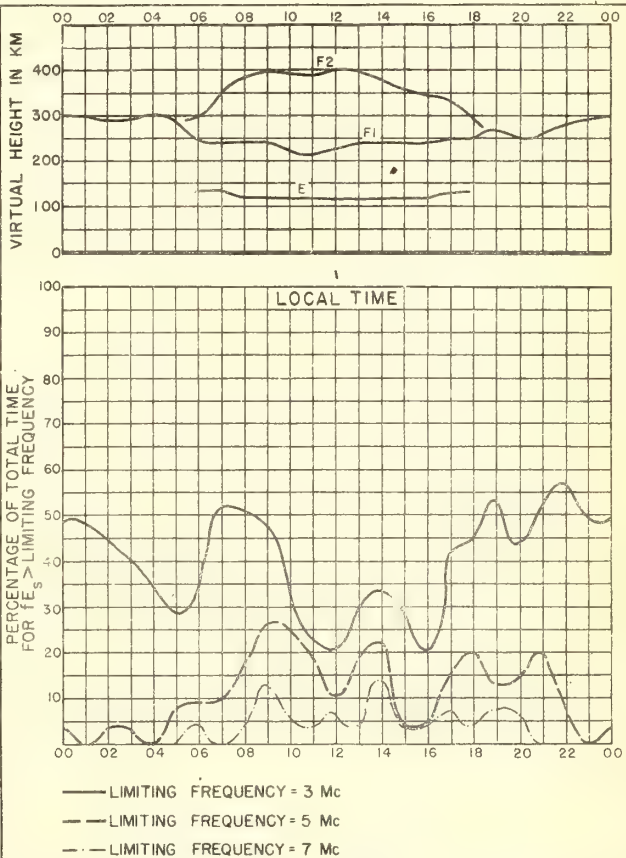


Fig. 19. BATON ROUGE, LOUISIANA

JULY, 1945.

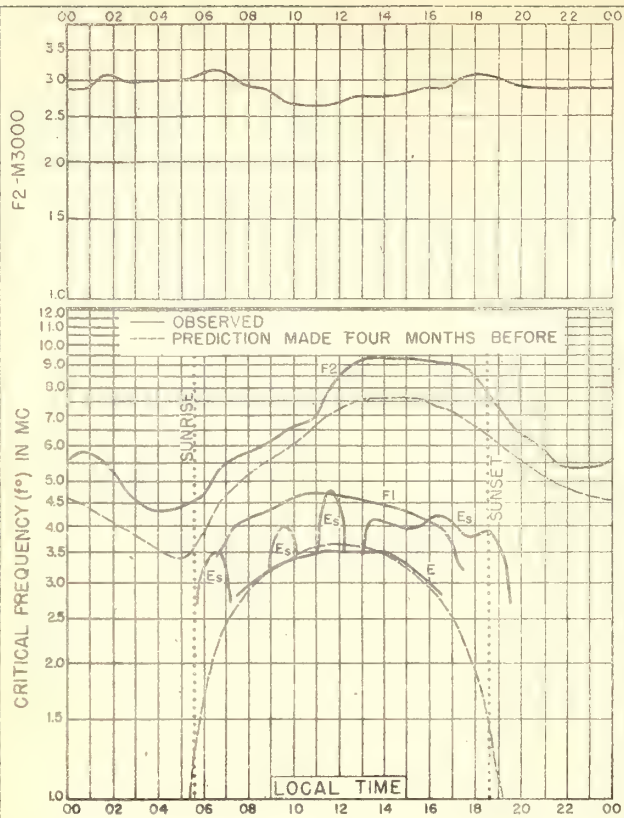


Fig 20. SAN JUAN, PUERTO RICO
18.4°N, 66.1°W

JULY, 1945

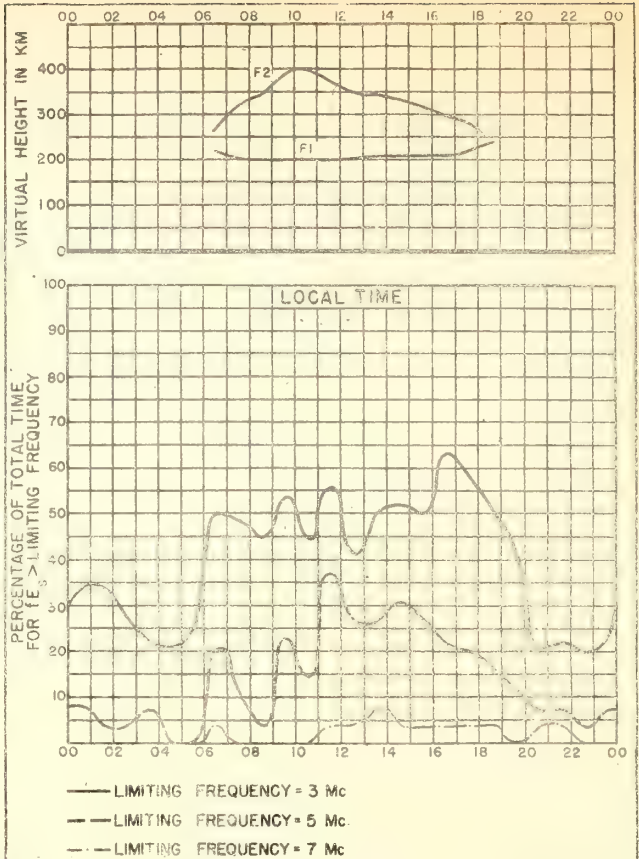


Fig 21. SAN JUAN, PUERTO RICO

JULY, 1945

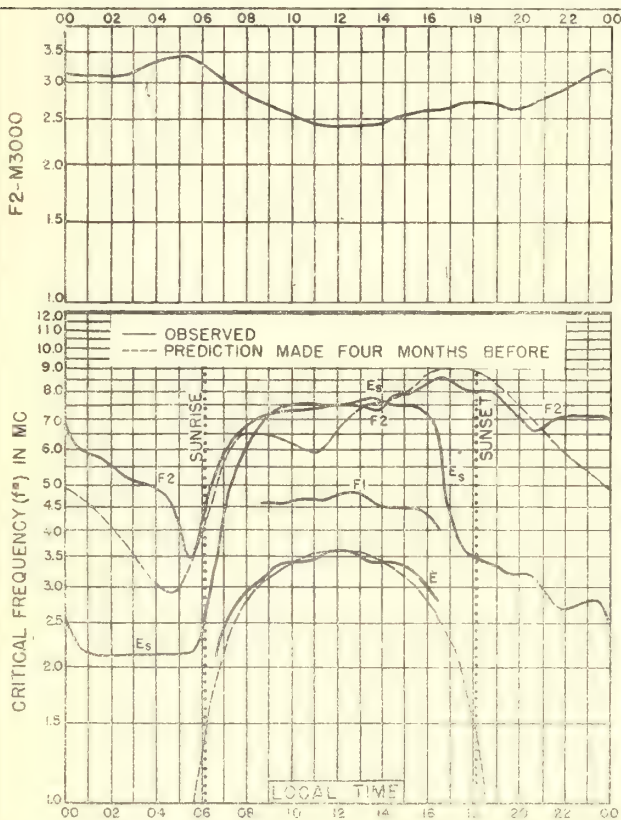


Fig 22. CHRISTMAS I.
1.9°N, 157.3°W

JULY, 1945

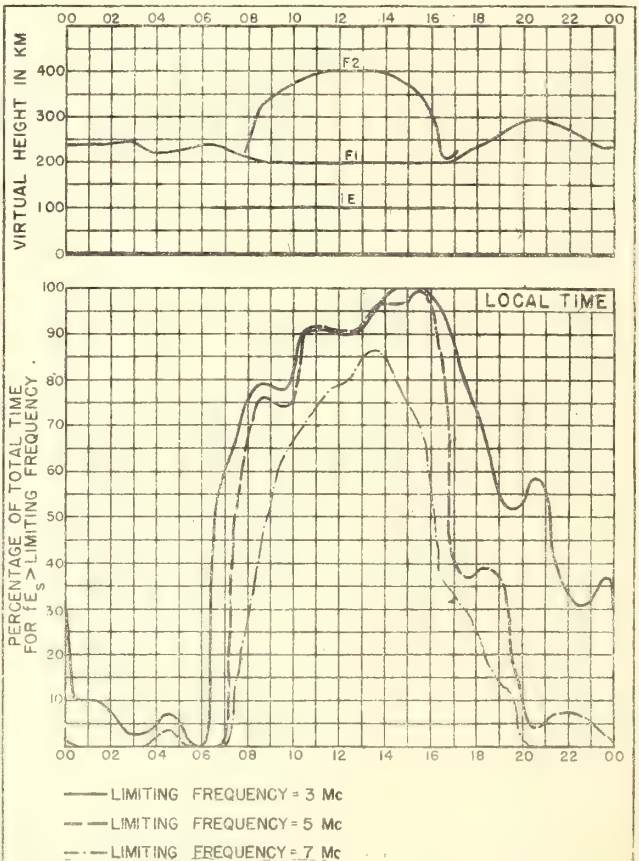


Fig 23. CHRISTMAS I.

JULY, 1945.

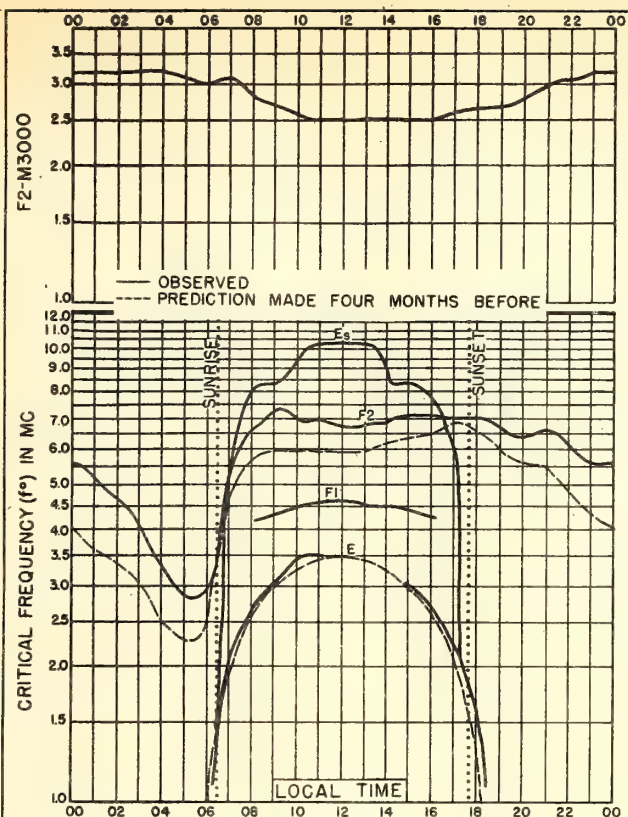


Fig. 24. HUANCAYO, PERU
12.0°S, 75.3°W

JULY, 1945

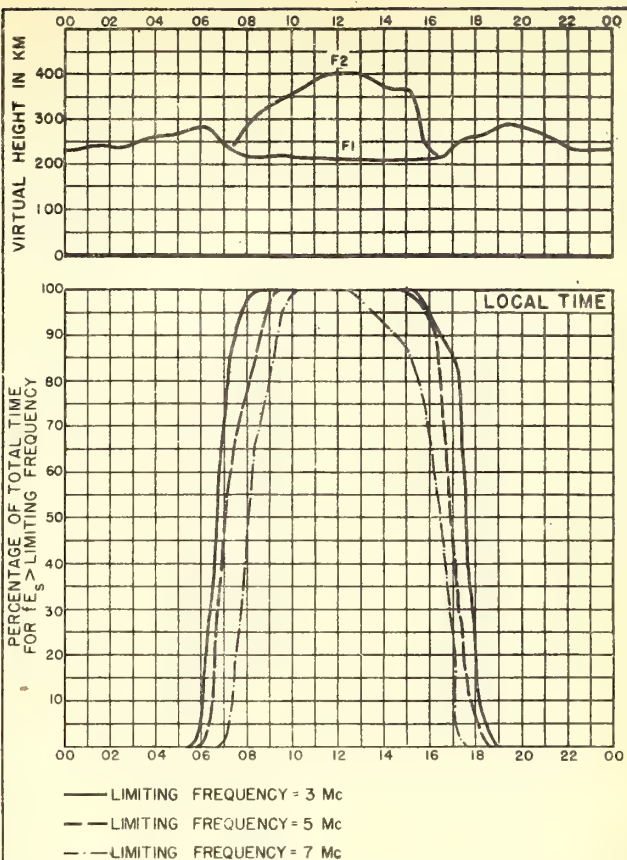


Fig. 25. HUANCAYO, PERU

JULY, 1945.

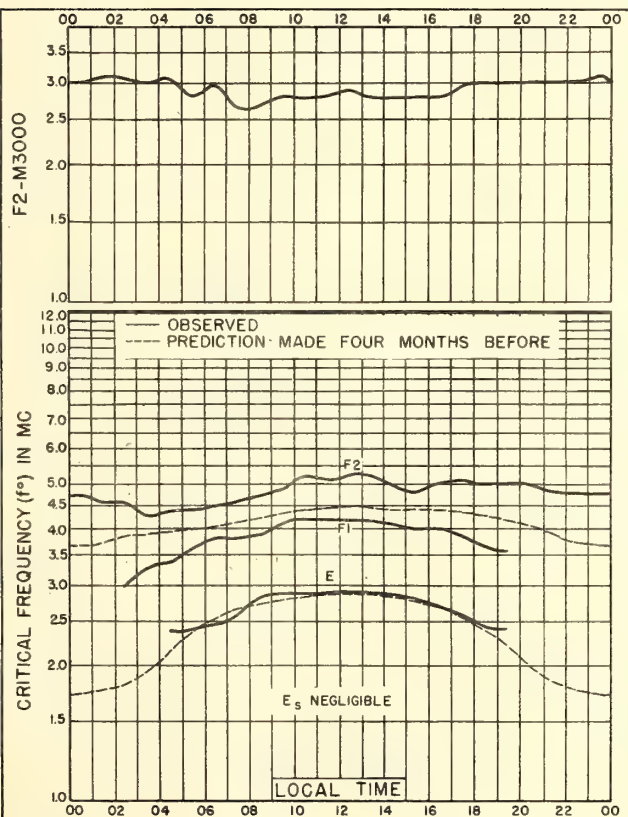


Fig. 26. BAFFIN I., CANADA
70.5°N, 68.6°W

JUNE, 1945

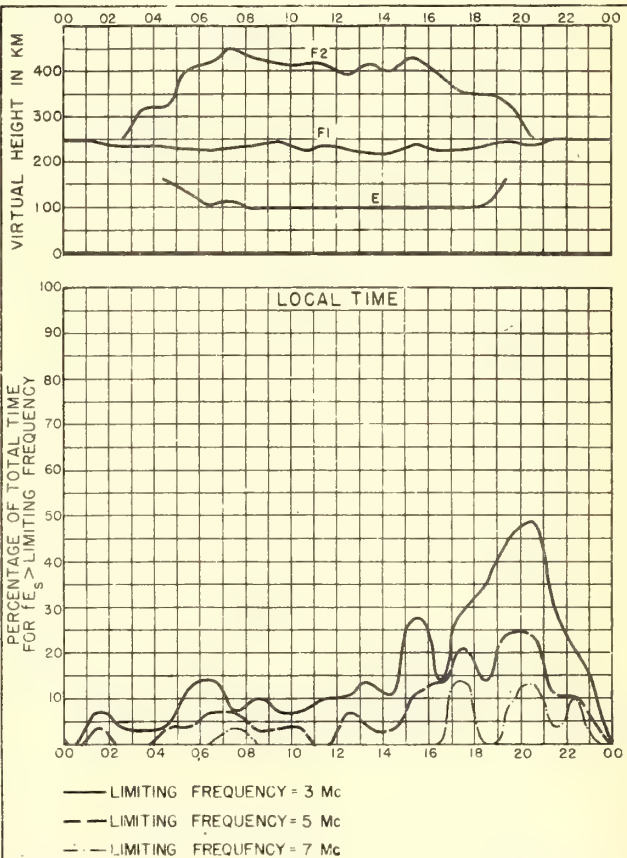


Fig. 27. BAFFIN I., CANADA

JUNE, 1945

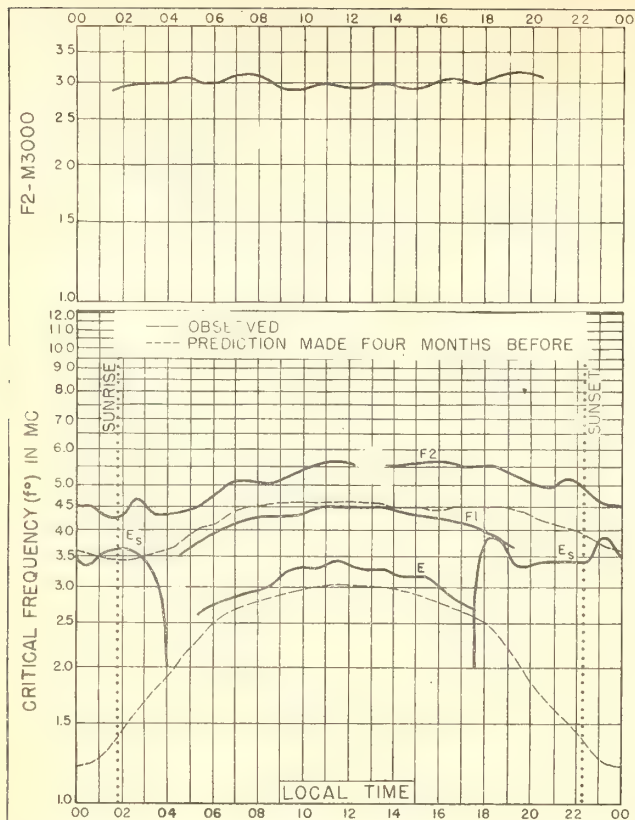


Fig. 28. REYKJAVIK, ICELAND
64.1°N, 21.7°W

JUNE, 1945

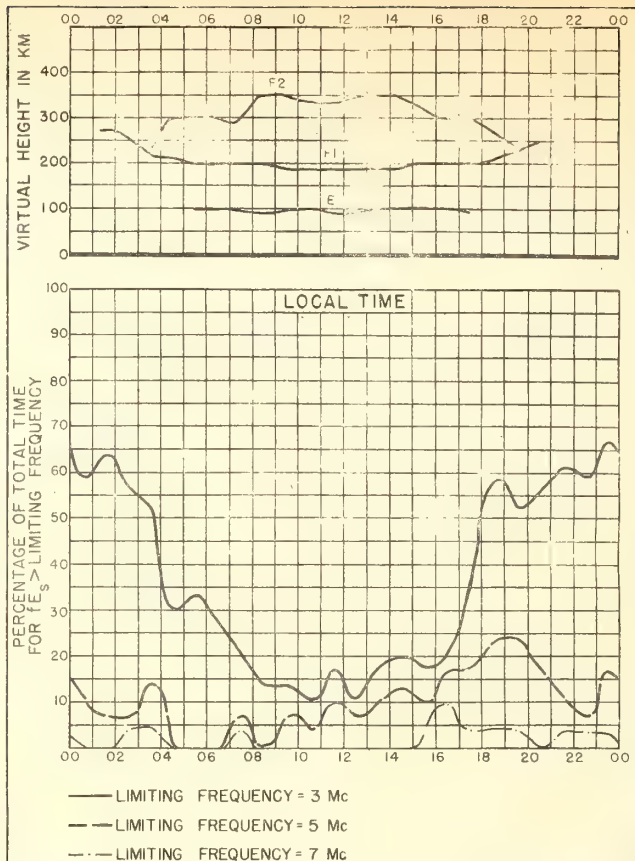


Fig. 29. REYKJAVIK, ICELAND.

JUNE, 1945.

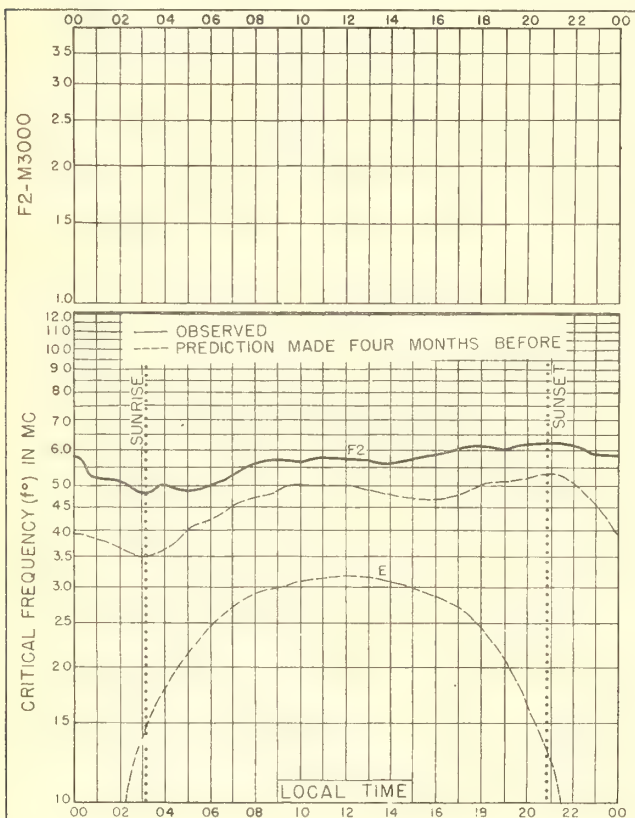


Fig. 30. BURGHEAD, SCOTLAND
57.7°N, 3 5°W

JUNE, 1945

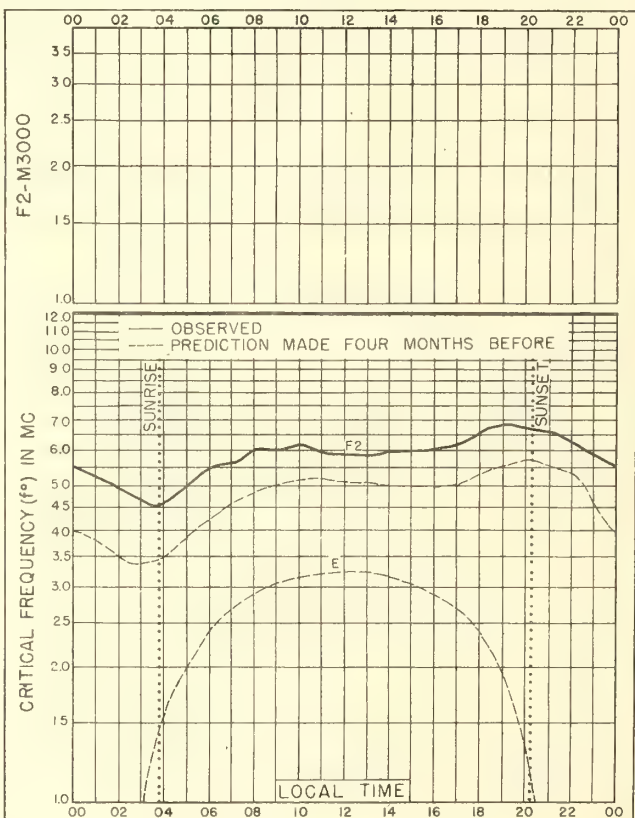


Fig. 31. SLOUGH, ENGLAND
51.5°N, 0.6°W

JUNE, 1945

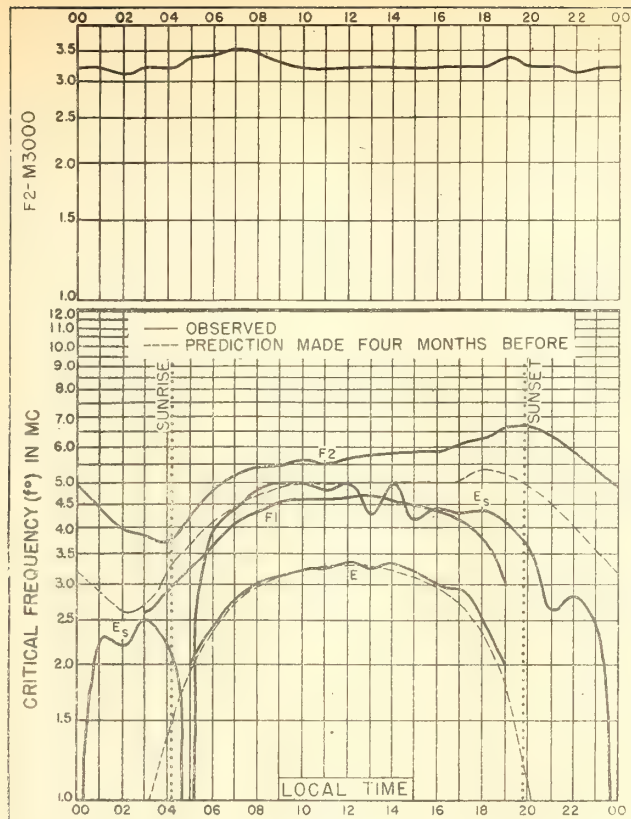


Fig. 32. ST. JOHN'S, NEWFOUNDLAND
47.7°N, 52.7°W
JUNE, 1945.

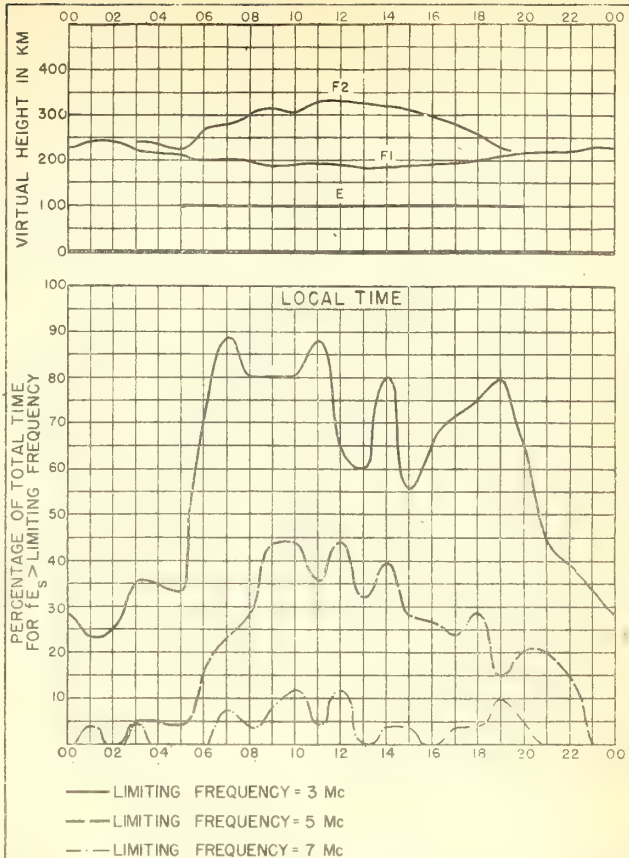


Fig. 33. ST. JOHN'S, NEWFOUNDLAND
JUNE, 1945.

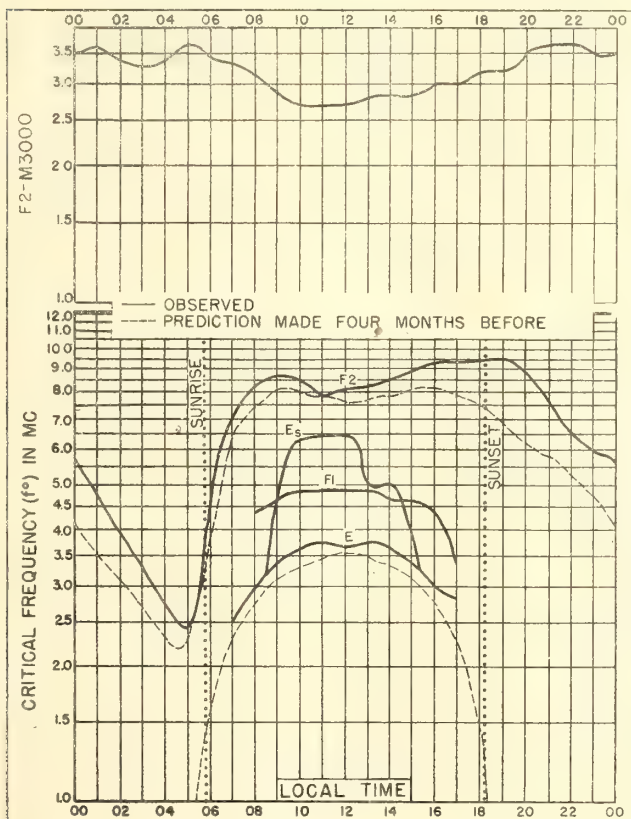


Fig. 34. COLOMBO, CEYLON
6.6°N, 80.0°E
JUNE, 1945.

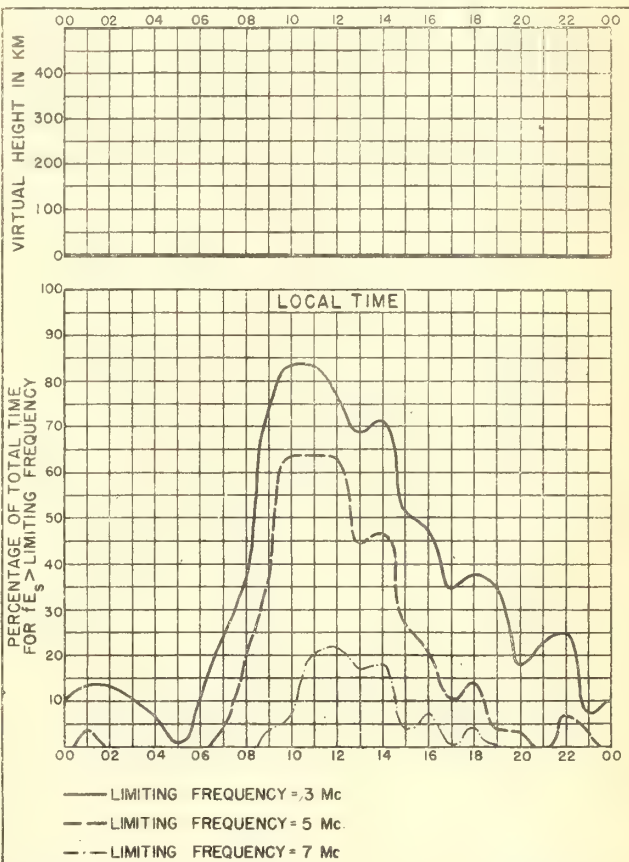


Fig. 35. COLOMBO, CEYLON
JUNE, 1945.

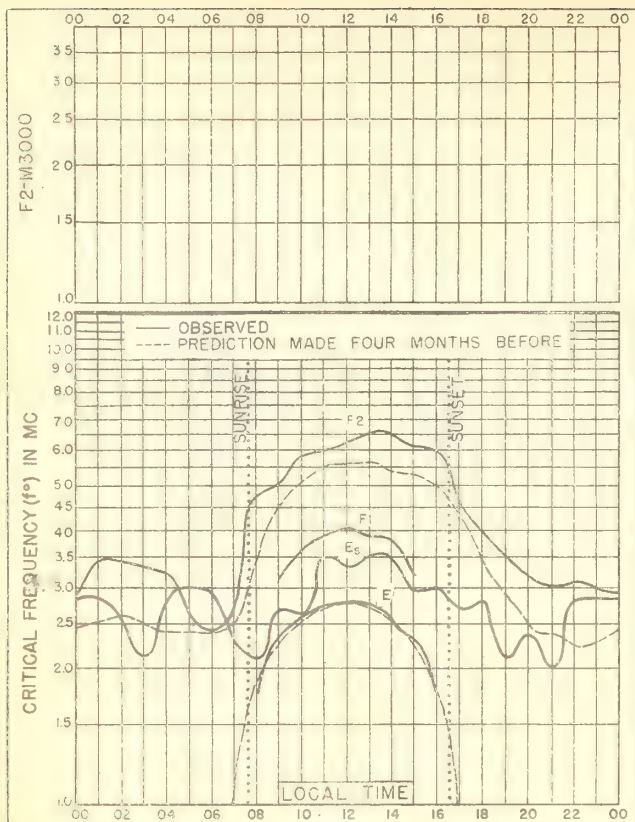


Fig. 36. CHRISTCHURCH, NEW ZEALAND
43.5°S, 172.6°E

JUNE, 1945

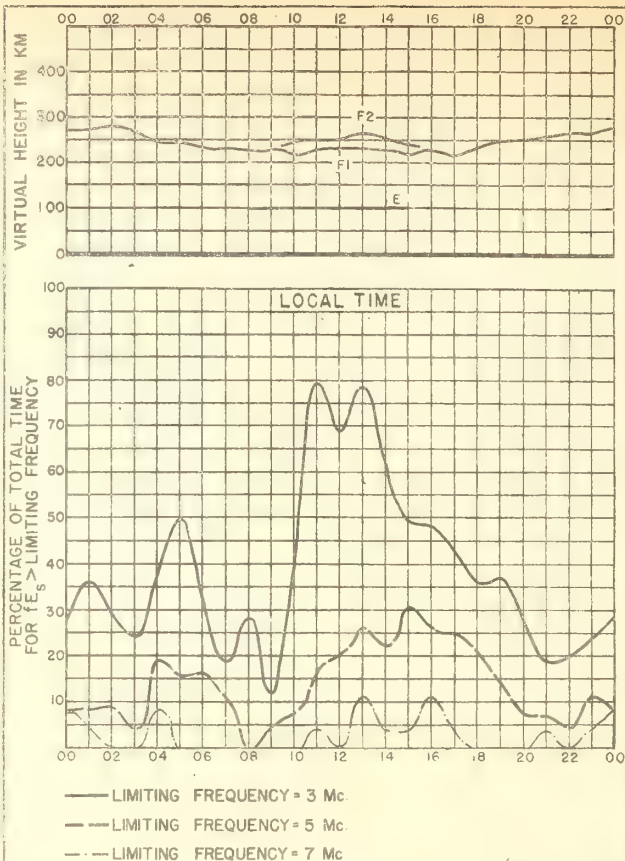


Fig. 37. CHRISTCHURCH, NEW ZEALAND JUNE, 1945.

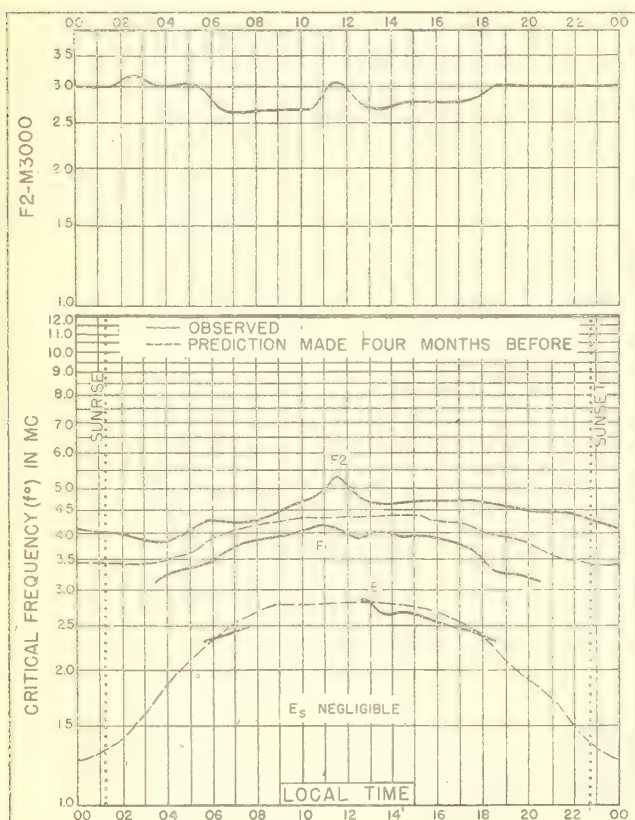


Fig. 38. BAFFIN I., CANADA
70.5°N, 68.6°W

MAY, 1945

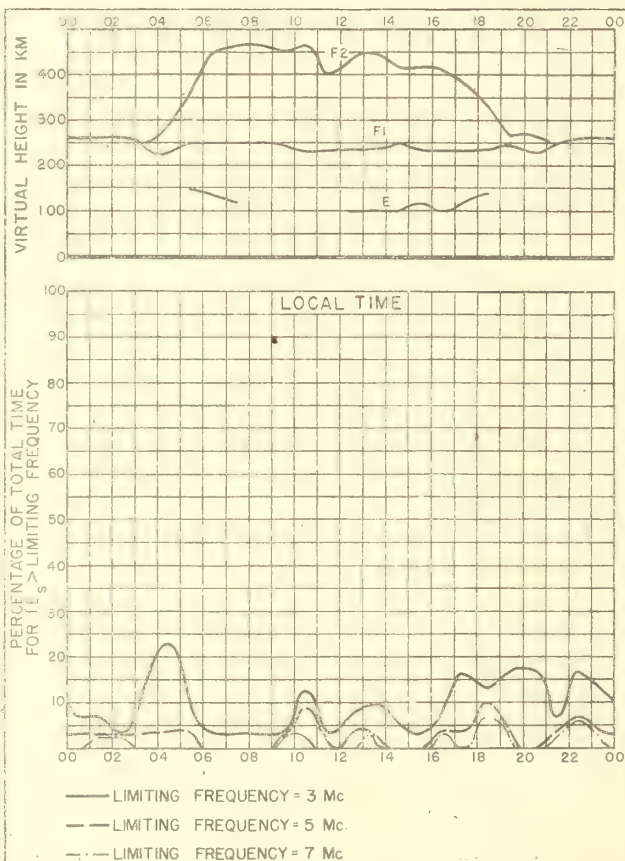


Fig. 39. BAFFIN I., CANADA

MAY, 1945.

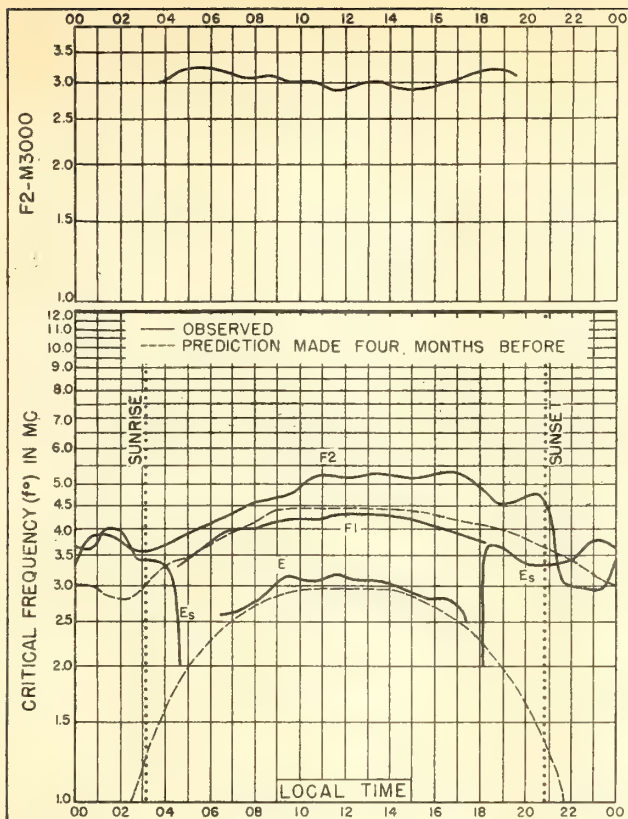


Fig. 40. REYKJAVIK, ICELAND
64.1°N, 21.7°W

MAY, 1945

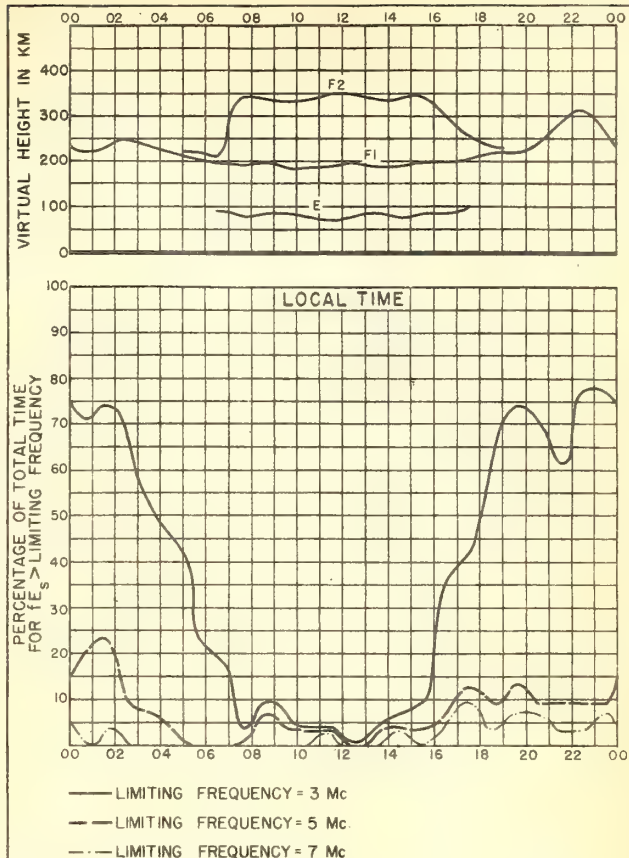


Fig. 41. REYKJAVIK, ICELAND.

MAY, 1945

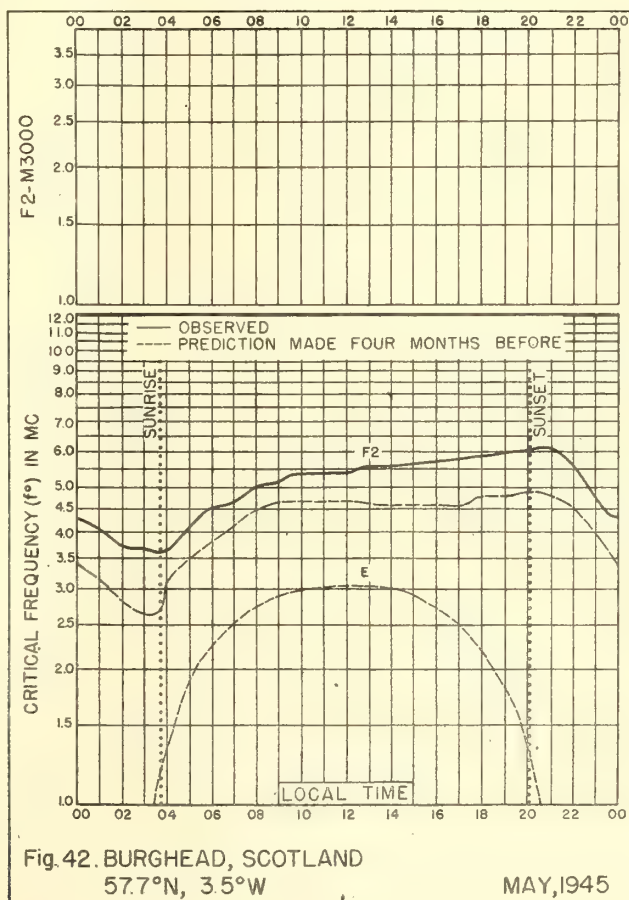
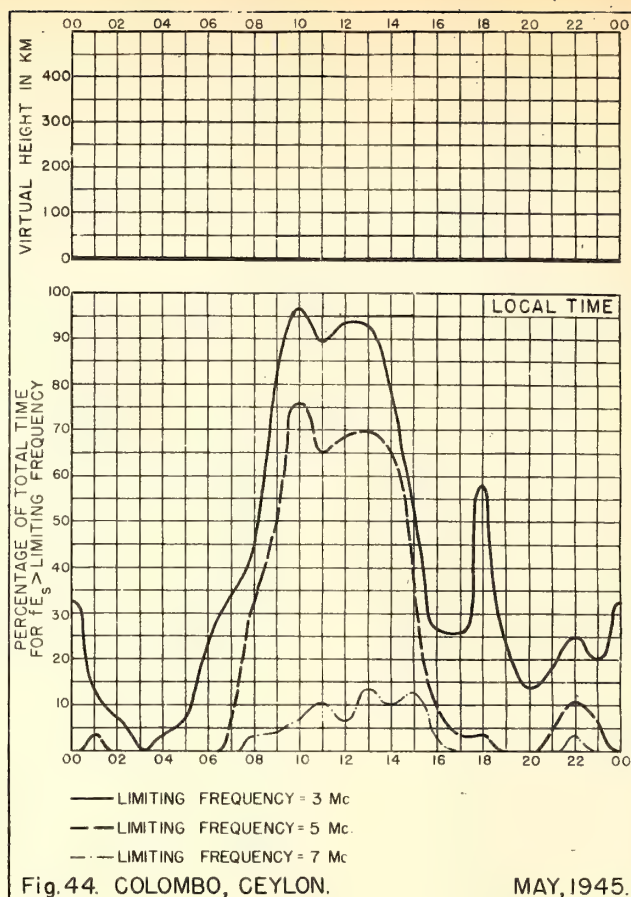
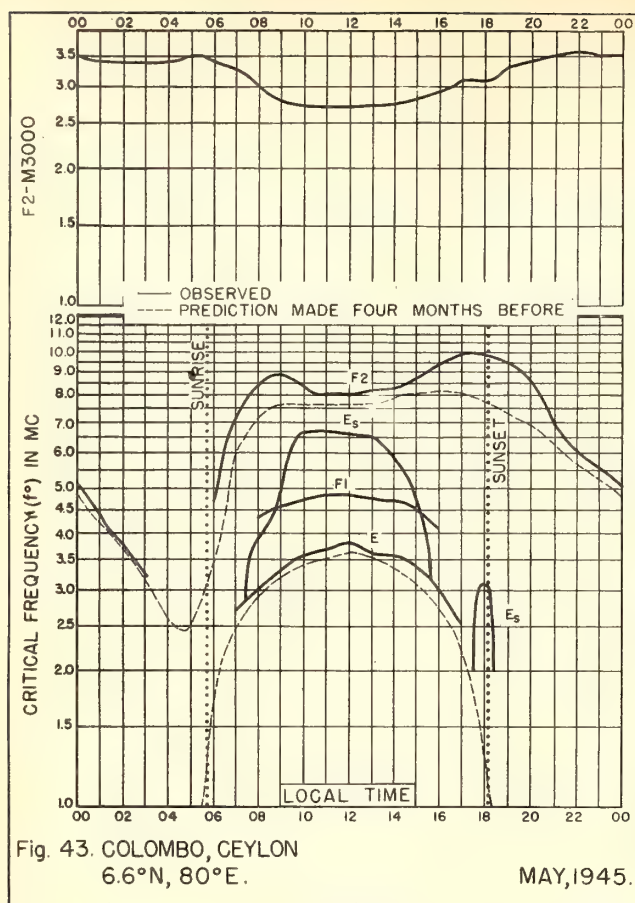


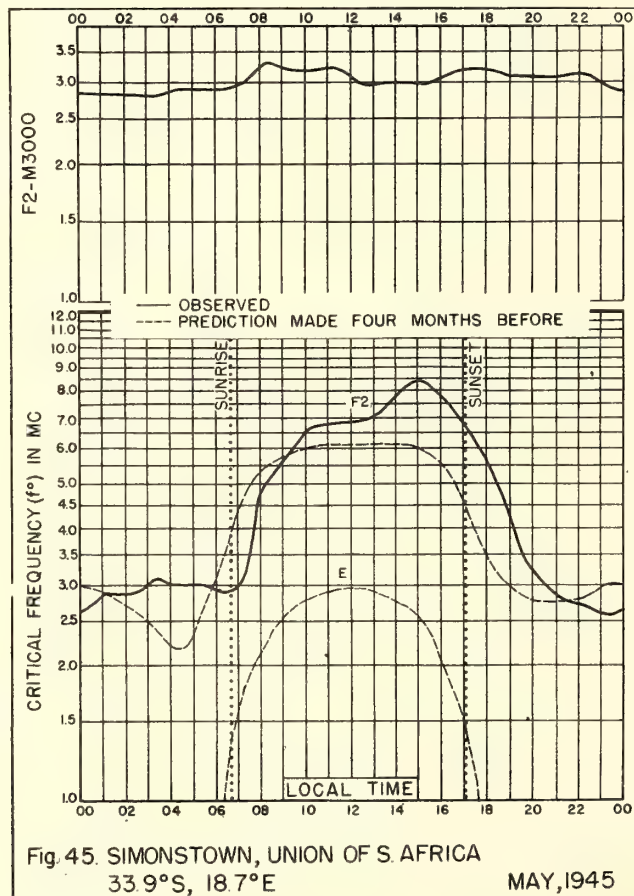
Fig. 42. BURGHEAD, SCOTLAND
57.7°N, 3.5°W

MAY, 1945



Note:

As this issue went to press, word was received that observed data from Simonstown have been reported one hour too late. Data for 00 should be for 2300 etc. See ERRATA section.



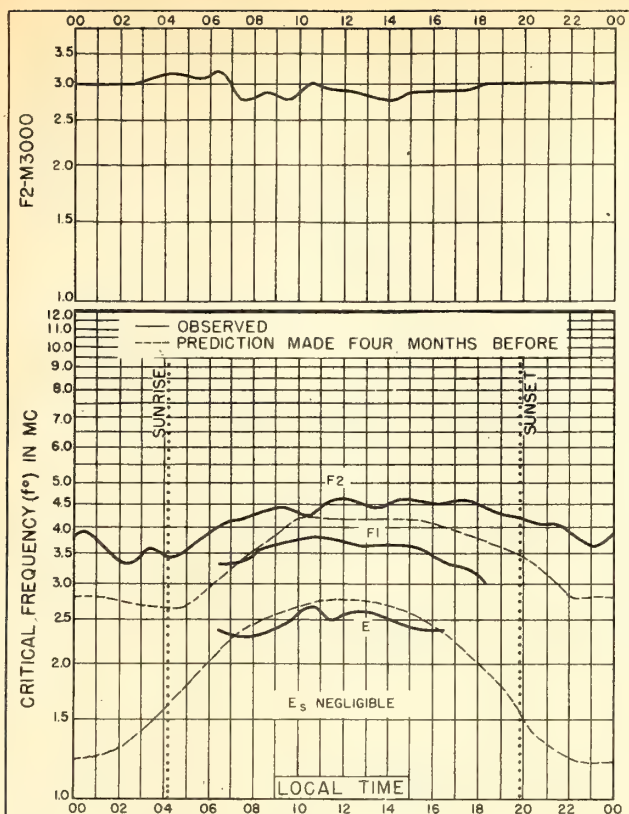


Fig 46. BAFFIN I., CANADA
70.5°N, 68.6°W

APRIL, 1945

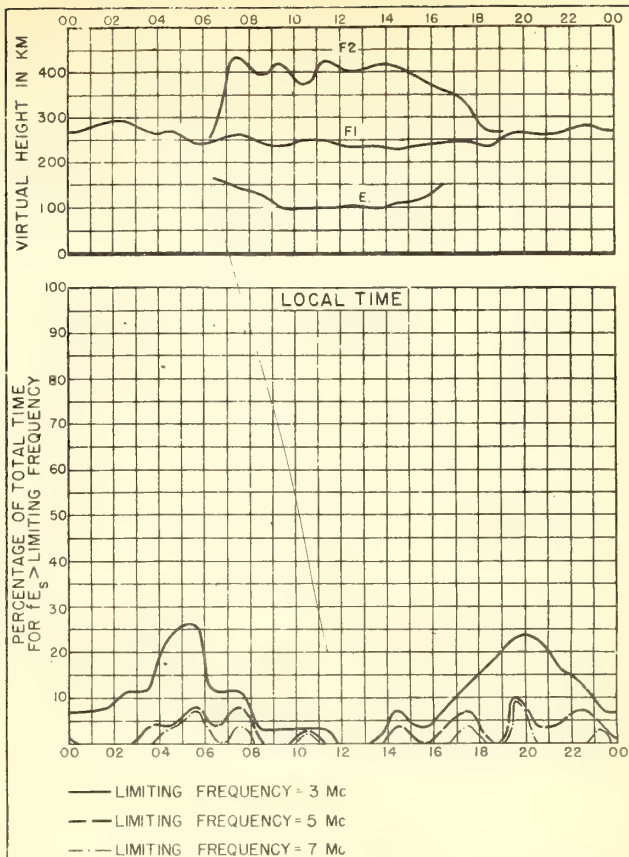


Fig 47. BAFFIN I., CANADA

APRIL, 1945.

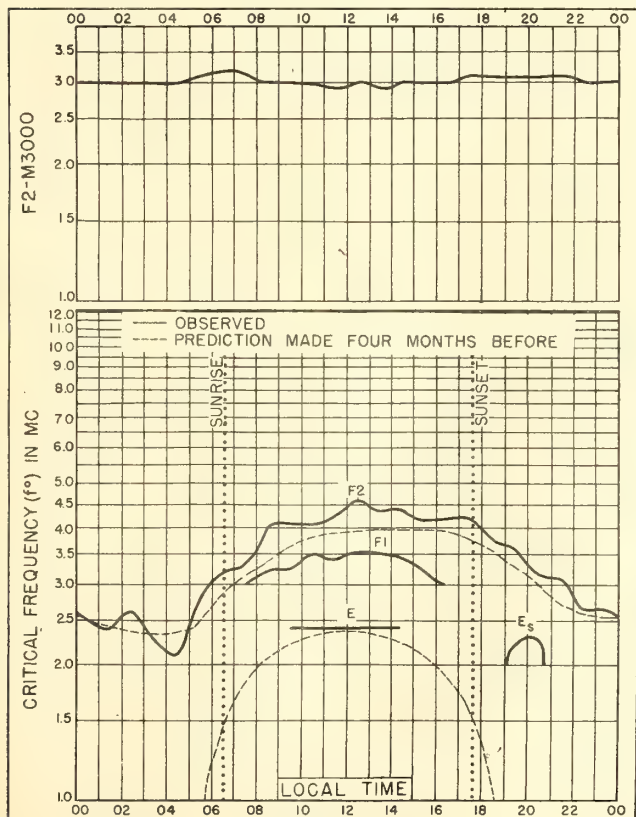


Fig 48. BAFFIN I., CANADA
70.5°N, 68.6°W

MARCH, 1945

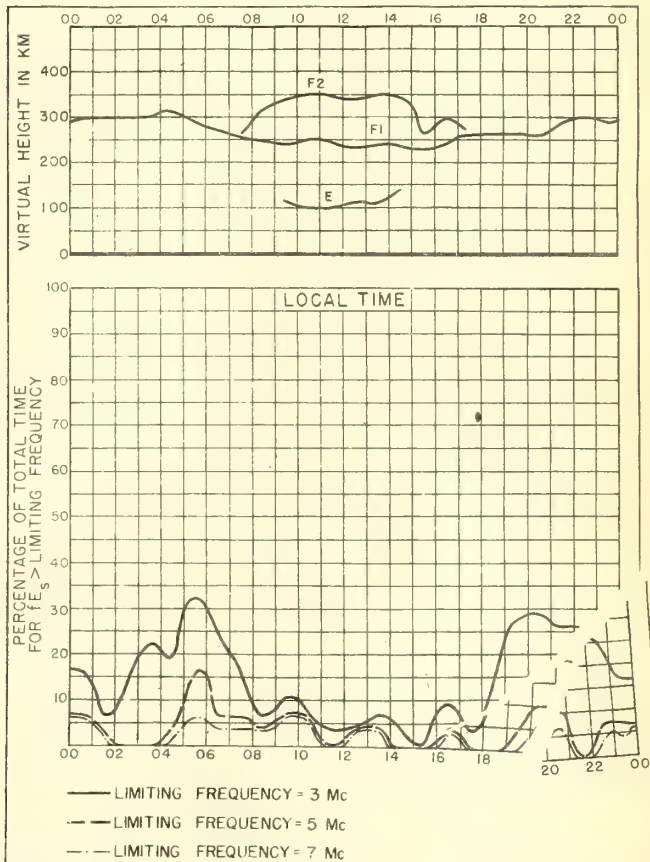


Fig 49. BAFFIN I., CANADA

MARCH, 1945

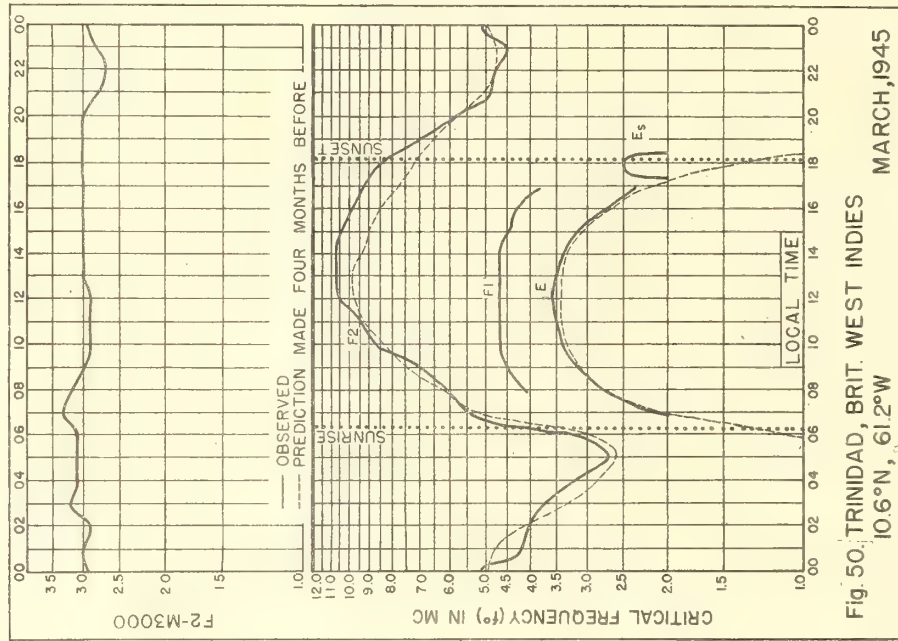


Fig. 50. TRINIDAD, BRIT. WEST INDIES
10.6°N, 61.2°W MARCH, 1945

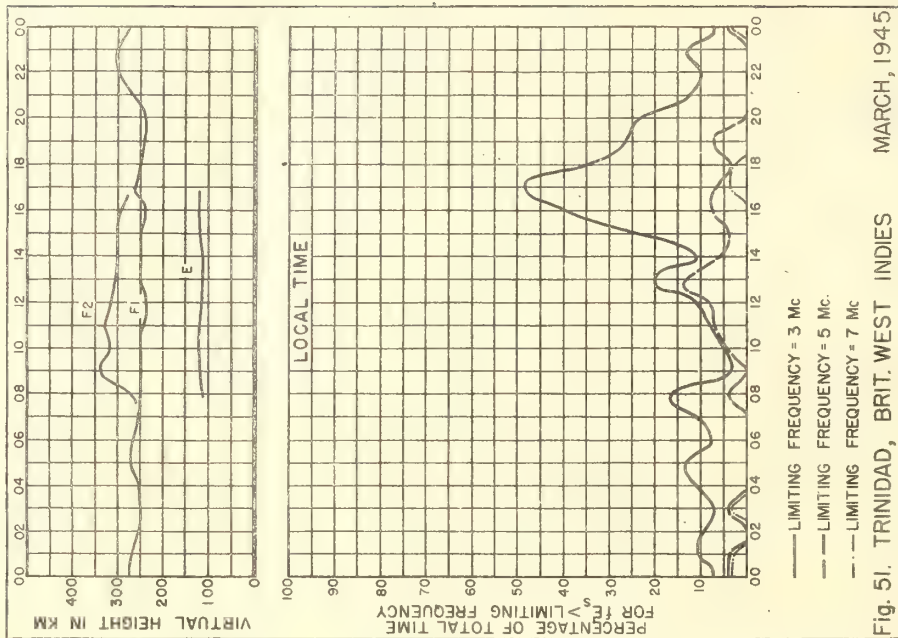
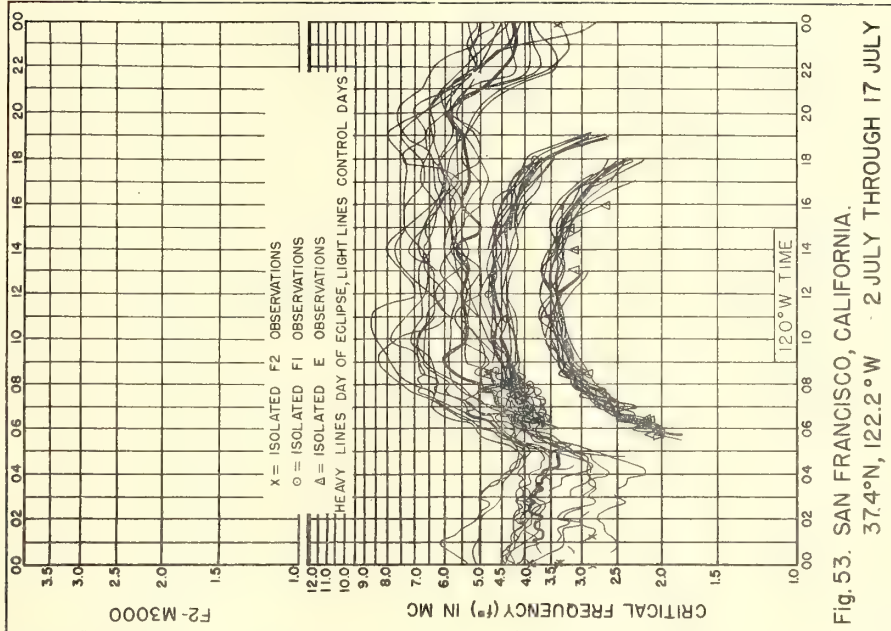
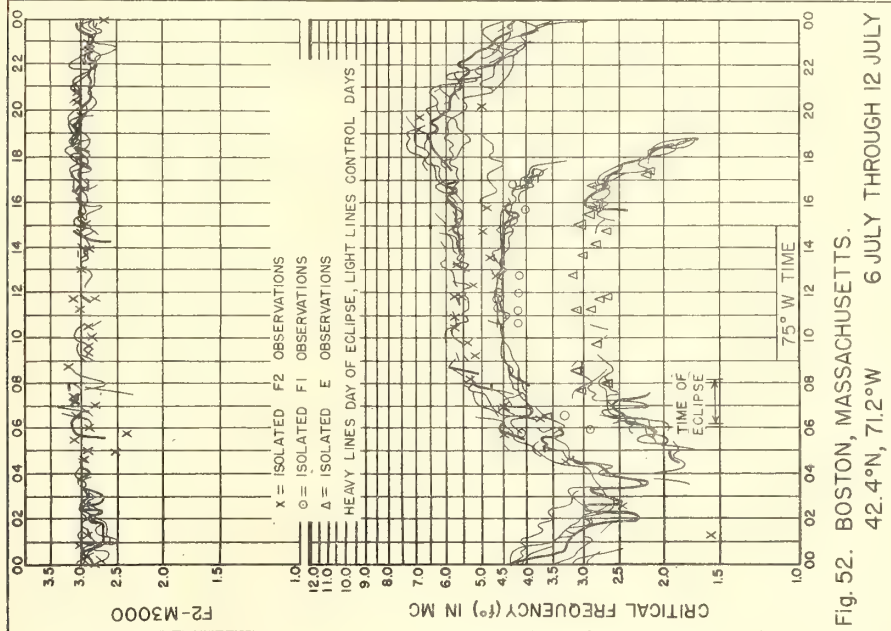


Fig. 51. TRINIDAD, BRIT. WEST INDIES MARCH, 1945



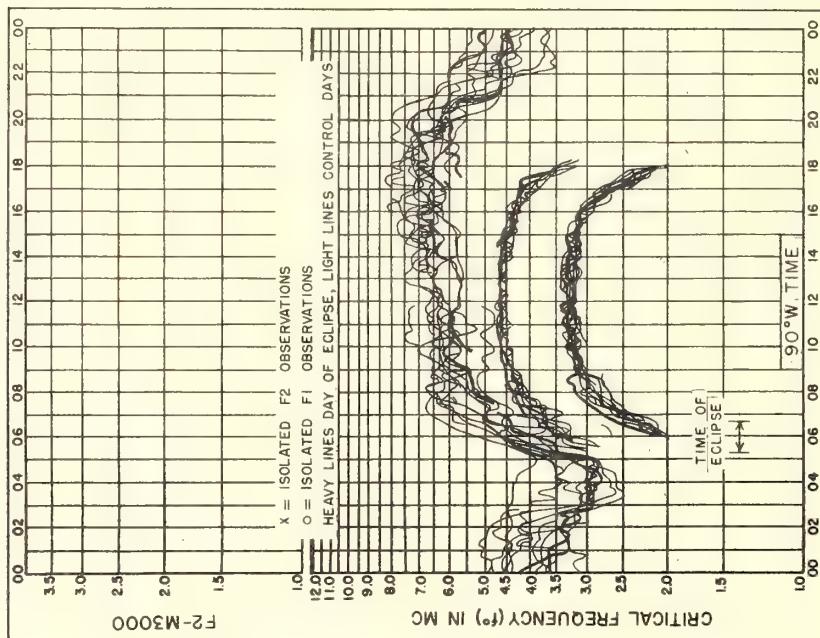


Fig. 54. BATON ROUGE, LOUISIANA.
30.5°N, 91.2°W 4 JULY THROUGH 15 JULY

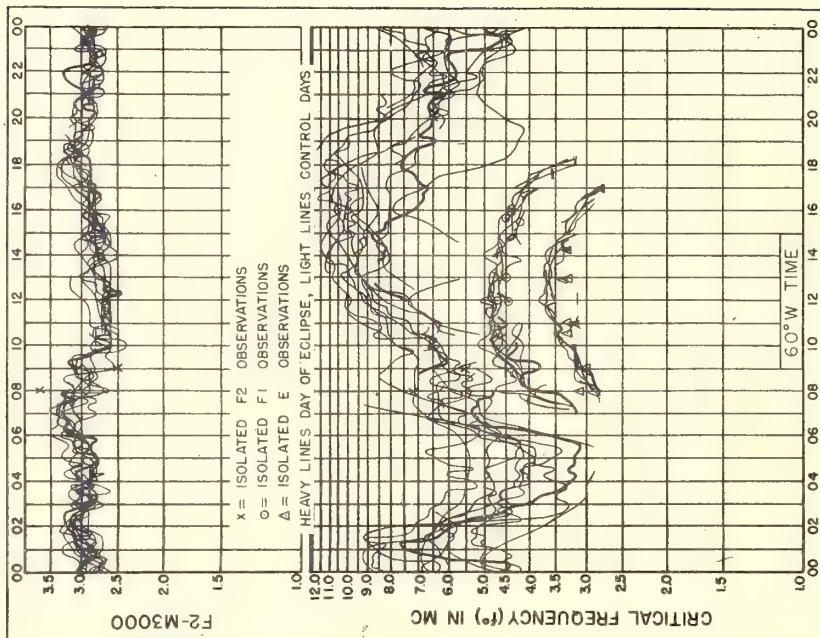


Fig. 55. SAN JUAN, PUERTO RICO.
18.4°N, 66.1°W 6 JULY THROUGH 16 JULY

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Special Reports, etc.:

IRPL Radio Propagation Handbook, Part 1. (War Dept. TM 11-499; Navy Dept. DNC-13-1).

IRPL-C1 through C61. Reports and papers of the International Radio Propagation Conference, 17 April to 5 May 1944.

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R2 and R3. Obsolete.

R4. Methods Used by IRPL for the Prediction of Ionosphere Characteristics and Maximum Usable Frequencies.

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R7. Further studies of ionospheric propagation as applied to a navigation system.

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R11. A Nomographic Method for Both Prediction and Observation Correlation of Ionosphere Characteristics.

R12. Ionospheric variations.

R13. Ionospheric and Radio Propagation Disturbances, October 1943 through February 1945.

R14. A Graphical Method for Calculating Ground Reflection Coefficients.

R15. Predicted Limits for F2-Layer Radio Transmission Throughout the Solar Cycle.

R16. Predicted F2-Layer Frequencies Throughout the Solar Cycle, for Summer, Winter, and Equinox Season.

R17. Japanese Ionospheric Data - 1943.

R18. Comparison of Geomagnetic Records and North Atlantic Radio Propagation Quality Figures - October 1943 Through May 1945.

R19. Nomographic Predictions of F2-Layer Frequencies Throughout the Solar Cycle, for June.

R20. Nomographic Predictions of F2-Layer Frequencies Throughout the Solar Cycle, for September.

IRPL-T. Reports on Tropospheric Propagation.

T1. Radar Operation and Weather. (Superseded by JANP 101).

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